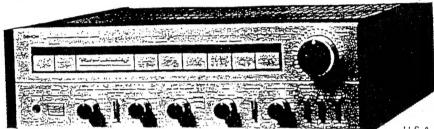
DENON

Hi-Fi Pre-Main Amplifier

SERVICE MANUAL

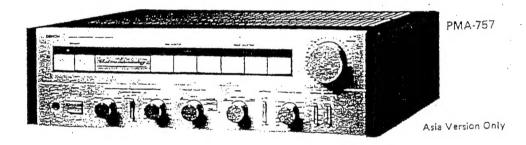
MODEL PIMA-777/757

SOLID STATE PRE MAIN AMPLIFIER



PMA-777

J.S.A. Version Only



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NIPPON COLUMBIA CO., LTD



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK), NO USER SERVICEABLE PARTS INSIDE. REFER SERVIC-ING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user of the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instruction in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

WARNING:

1. Component parts

Parts marked with 🔥 and/or shading in this service manual have special characteristics important to safety. Be sure to use the specified parts for replacement.

2. Leakage current

Before returning the appliance to customer, test the leakage current when the power plug is connected. Use a calibrated (with an error of not more than 5%) leakage current tester and measure the leakage current from any exposed metal to the earth ground. Reverse the power plug polarity and test the above again.

Any current measured MUST NOT EXCEED 0.5 miliamps. Corrective measure must be taken if it exceeds the limit

SPECIFICATIONS

PMA-777

POWER AMPLIFIER SECTION

Rated Output Power:

Both channel drives (TUNER - SP OUT) 100 Watts minimum rms per channel (8 ohm Load) with less than 0.02% total harmonic distortion from 20 Hz to

20 kHz 120 W + 120 W (4 ohm Load)

20 Hz to 20 kHz at T.H.D 0.05% (for U.S.A.)

1 kHz (4 ohm Load) 150 W + 150 W (DIN, T.H.D 1%)

1 kHz (4 ohm Load) 30 W + 30 W (IEC, Subject to change by temperature test.) (for outside U.S.A.)

Total Harmonic Distortion:

0.003% 120 Hz - 20 kHz at -3 dB rated output 8 ohm Load)

0.02% (20 Hz - 20 kHz at rated output

8 ohm Load) (U.S.A.)

Intermodulation Distortion:

Below 7 kHz/60 Hz: 1/4 0.002% (at amplitude output equivalent to rated

5 Hz - 80 kHz (IHF T.H.D 0.03%)

Output Bandwidth: Transmission Characteristics:

1 Hz - 250 kHz +0 d8 (at 1 W output)

Input Sensitivity: Input Impedance:

Output Impedance: **Output Terminals:**

0.08 ohm (1 kHz) Speaker: A or B Load 4 - 16 ohm

A + B Load 8 - 16 ohm Headphone/Stereo headphone (390 mW/

8 ohmi

150 mV

47 k ohm

EQUALIZER AMPLIFIER SECTION

Equalizer Amplifier

Output:

Maximum Output: 12 V (at 47 k ohm

Load)

Rated Output: 150 mV

Total harmonic distortion: less than 0.002% (at 1 kHz, 8 V output)

Input Sensitivity/Input

Impedance:

PHONO-1, 2 MM 2,5 mV 47 k ohm MC 200 uV 100 ohm

TUNER 150 mV 47 k ohm DAD, VIDEO/AUX, TAPE

RIAA Deviation:

150 mV 47 k ohm PHONO-1, 2 MM within ±0.2 dB

(20 Hz - 100 kHz) within ±0.2 dB (20 Hz - 100 kHz) OVERALL CHARACTERISTICS

SN Ratio

÷

(IHFA Network):

PHONO-1, 2

88 dB (input terminals shortcircuited for 2.5 mV input) 72 dB linout terminals short-

circuited for 250 µV input) TUNER, TAPE, DAD, VIDEO/AUX: 110 dB (input terminals short-

100 Hz ±8 dB

circuited)

RASS

Tone Control Adjustable

Range:

TREBLE 10 kHz ±8 dB SUBSONIC 20 Hz, 6 dB/oct

Filtering Characteristics:

Loudness Characteristics: Low frequency 100 Hz + 7 dB High frequency 10 kHz + 6 dB

AC OUTLET:

(For U.S.A., Canada and

SWITCHED x 2, 100 W (Total) Asia) UNSWITCHED x 1, 250 W

PMA-757

POWER AMPLIFIER SECTION

Rated Output Power:

Both channel drives (TUNER - SP OUT) 80 Watts minimum rms per channel (8 ohm Load) with less than 0.02% total harmonic distortion from 20 Hz to 20 kHz.

100 W + 100 W (4 ohm Load) 20 Hz to 20 kHz at T.H.D. 0.05% (for U.S.A.)

1 kHz (4 ohm Load) 110 W + 110 W

(DIN, T.H.D 1%)

1 kHz (4 ohm Load) 30 W + 30 W (IEC, Subject to change by temperature test }

(for outside U.S.A. and Canada)

Total Harmonic

Distortion: 0.005% (20 Hz - 20 kHz at -3 dB rated

output 8 ohms Load) 0.02% (20 Hz -20 kHz at rated output 8 ohm Load)

(U.S.A.)

Intermodulation

Distortion:

Below 7 kHz/60 Hz : 1/4 0.003% (at amplitude output equivalent to rated outout)

Output Bandwidth: Transmission

5 Hz - 80 kHz (IHF T.H.D 0.03%)

Characteristics:

1 Hz - 200 kHz +0 dB (at 1 W output) 150 mV

Input Sensitivity: Input Impedance: 47 k ohm

Output Impedance: 0.08 phm (1 kHz)

Output Terminals: Speaker: A or B Load 4 - 16 ohm

A + B Load 8 - 16 ohm

Heapdhone/Stereo headphone (310 mW/ 8 ohm)

EQUALIZER AMPLIFIER SECTION Equalizer Amplifier

Maximum Output: 12 V (at 47 k ohm

Load Rated Output: 150 mV

Total harmonic distortion: less than 0.002% (at 1 kHz, 8 V output)

Input Sensitivity/Input

Impedance:

Output:

PHONO MM 25 mV 47 k ohm 200 µV 100 ohm 150 mV 47 k ohm

DAD, VIDEO/AUX, TAPE

150 mV 47 k ohm

POWER SOURCE: Germany and France AC 220 V. 50 Hz.

U.K. and Australia AC 240 V, 50 Hz;: U.S.A. AC 120 V. 60 Hz: Asia 110/120/

220/240 V, 50/60Hz (Multiple)

POWER CONSUMPTION: 245 W (U.S.A.); 250 W (IEC); 220 W (Multiple) 800 W Maximum Output

> 470 mm (18-1/2")W x 136 mm (5-11/32")H x 413 mm (16-1/4")D

(with Wood Board)

434 mm (17-5/64")W x 136 mm (5-11/32")H x 413 mm (16-1/4")D

(without Wood Board) fincluding rubber feet, control knobs.

and terminals) 12.5 kg (27 lbs 9 oz) (with Wood Board) 11.5 kg (25 lbs 6 oz) (without Wood

Board)

Design and specifications are subject to change without prior notice.

RIAA Deviation: PHONO MC within ±0.3 dB

(20 Hz - 100 kHz)

OVERALL CHARACTERISTICS

SN Ratio

DIMENSIONS:

WEIGHT:

(IHFA Network): PHONO

> 87 dB (input terminals shortcircuited for 2.5 mV input)

70 dB (input terminals shortcircuited for 250 µV input)

TUNEH, TAPE, DAD, VIDEO/AUX: 110 dB (input terminals short-

circuited)

Tone Control Adjustable Range:

BASS

100 Hz ±8 dB TREBLE 10 kHz ±8 dB

Filtering Characteristics: SUBSONIC 20 Hz, 6 dB/oct Loudness Characteristics:

Low frequency 100 Hz + 7 dB High frequency 10 kHz + 6 dB

AC OUTLET: (For U.S.A., Canada and

POWER SOURCE:

DIMENSIONS:

WEIGHT:

Acial

SWITCHED x 2, 100 W (Total) UNSWITCHED x 1, 250 W

Germany and France AC 220 V. 50 Hz: U.K. and Australia AC 240 V, 50 Hz; U.S.A. and Canada AC 120 V, 60 Hz; Asia 110/120/220/240 V, 50/60 Hz

(Multiple) POWER CONSUMPTION: 215 W (U.S.A.); 500 VA (Canada);

240 W (IEC); 190 W (Multiple); 650 W Maximum Outout

470 mm (18-1/2")W x 136 mm (5-11/32")H x 413 mm (16-1/4")D

(with Wood Board)

434 mm (17-5/64")W x 136 mm (5-11/32")H x 413 mm (16-1/4"10

(without Wood Board) lincluding rubber feet, control knobs.

and terminals.) 13 kg (28 lbs 11 oz) (with Wood Board)

12 kg (26 lbs 7 oz) (without Wood Board)

10.5 kg (23 lbs 2 oz) (without Wood Board) (For U.S.A. & Canada)

Design and specifications are subject to change without prior notice.

NOTE: The following code correspond to the appropriate models.

E2 for Europe, E1 for Asia, E3 for U.S.A., EK for U.K., EA for Australia and EC for Canada. This Service Manual is prepared based on E2 Gold Version.

-2-

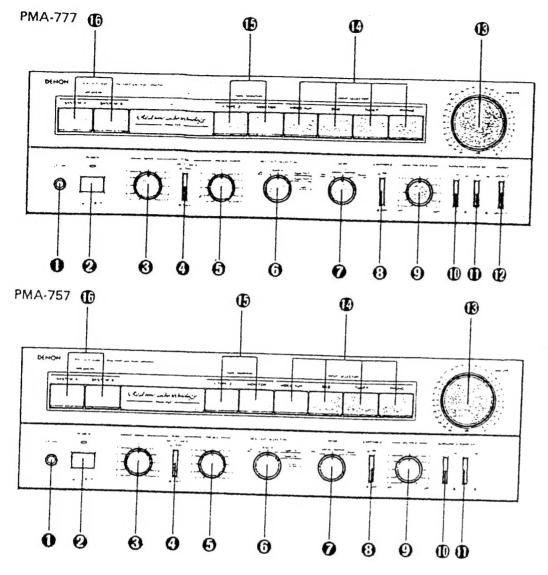


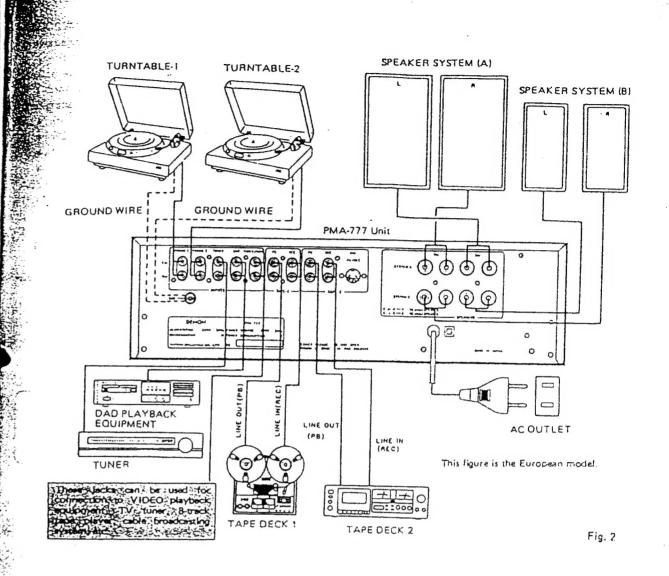
Fig. 1

- phones (Headphone Jack)
- POWER & LED Indicator (Power Switch and LED Indicator)
- (3) BASS (Bass Control)
- DIRECT COUPLE (Direct Coupling Switch)
- 5 TREBLE (Treble Control)
- 6 REC OUT SELECTOR (REC OUT Selector Switch) off, source, tape 1 ► 2, tape 2 ► 1
- MODE (Mode Switch)
 rev. stereo normal, mono
- (8) CARTRIDGE (Cartridge Select Switch)

 MC, MM

- BALANCE (Balance Control)
- SUBSONIC (Subsonic Filter Switch)

 LOUDNESS (Loudness Switch)
- PHONO (Turntable Select Switch)
- ... only for PMA-777
 - I Phono 1, Phono 2
- (13) VOLUME (Volume Control)
- 14 INPUT SELECTOR (Input Selector Switch)
 PHONO, TUNER, DAD, VIDEO/AUX
- TAPE MONITOR (Tape Monitor Switch)
- (16) SPEAKERS (Speaker Select Switch)
 SYSTEM A, SYSTEM B



(1) CONNECTIONS

- Do not plug power cord into AC outlet until all connections are completed.
- Connect right (R) channel plug to right (R) channel jack, and left channel plug to left channel jack.
- Insert plugs firmly into corresponding jacks. If connection is incomplete, noise may be generated.
- Plug audio component power cords into AC OUTLET terminal. Do not use this terminal for other electrical appliances, such as hair dryers. (NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE AND AUSTRALIA)
- Do not bundle pin plug cords with power cord. Do not place pin plug cords near power transformer, or hum and other noise may occur.
- Always connect a pin plug cord or shorting pins to "PHONO" input terminals because these terminals are highly sensitive. If these terminal are not connected, induction hum may occur.

AC OUTLETS (NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE AND AUSTRALIA)

AC outlets are used for connecting amplifier component units, such as tuner, turntable, tape deck, etc.

- SWITCHED (Capacity: 100 W):
- This outlet is turned on/off when main power switch is turned on/off.
- UNSWITCHED (Total capacity: 250 W):

These outlets are always ON whether power switch is on or off.

LINE VOLTAGE (Voltage select switch) ... NOT INCLUDED IN SYSTEMS FOR USE IN EUROPE, U.S.A.,

CANADA AND AUSTRALIA

PRE-SET

- The desired voltage may be set with the VOLTAGE SELECTOR KNOB on the back panel using a screw driver.
- Do not twist the VOLTAGE SELECTOR KNOB with excessive force. It may be damaged.
- If the voltage select switch does not turn smoothly, see a qualified serviceman.



Fig. 3

METHOD OF ADJUSTMENTS

Carry out adjustment at room temperature and normal humidity with the power source operating at the rated voltage.

ADJUSTMENT OF IDLING CURRENT (ETC0738, ETC0738B) - Fig. 4 Preparation

1 Place the unit in normal operating condition, avoid such good ventilating location close to air conditioner, circulating fan, etc.

The unit circumference temperature must be in 15° ~ 30°C.

2 Set the switches as follows:

POWER SWITCH → OFF

VOLUME CONTROL
 → -∞(∩)

DIRECT COUPLE

→ DIRECT

◆ SPEAKER TERMINAL → No load (Do not connect speakers, dummy resistors.)

Adjustment

1 Remove top cover and rotate VR301 (Lch) counterclockwise () and VR302 (Rch) clockwise () on the ETC-738. Connect a DC voltmeter to the test point (Lch TP-1, 2 and Rch TP-3, 4).

2 Connect the power cord and turn the POWER switch on. Immediately after turning on the power, rotate VR301 clockwise (), VR302 counterclockwise () and adjust the test point voltage value —

PMA-777: 2 mV ± 0.2 mV DC PMA-757: 5 mV ± 0.2 mV DC

3 3 minutes after the preparatory adjustment as in step 2, rotate VR301, VR302 and obtain the voltage value -

PMA-777: 11 mV ± 2 mV DC PMA-757: 13 mV ± 0.5 mV DC

CAUTION

VR301 and VR302 of the present model have opposite turning directions in adjustment. In the future by changing of the board, adjustment of VR302 will be the same manner as of VR301.

Therefore after the board has changed (222 1090 208), adjust the VR302 with the possible care.

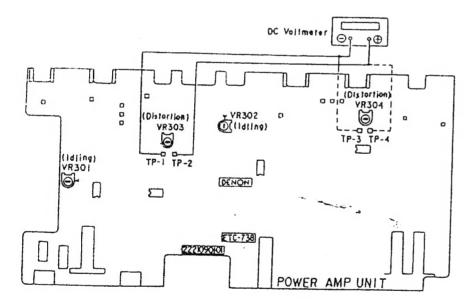


Fig. 4

ADJUSTMENT OF DISTORTION FACTOR (Fig. 4)

- 1 Connect a 8-ohm loading resistor across the speaker terminal.
- 2 Inject 20 kHz sine wave signal through the TUNER terminal. Operate both L and R channels and obtain 50 watts (20 Vrms) output power across the 8-ohm loading resistor.
- 3 Adjust VR303 (Lch) and VR304 (Rch) for minimum distortion factor (be sure to put bottom cover to the unit during the adjustment).

DUSTMENT OF NEUTRAL POTENTIAL POINT (Fig. 5, Fig. 5')

Changes tion

Is Insert the shorting pin into the PHONO input terminal.

Connect a digital voltmeter (be able to measure 0.01 mV through 1 mV DC) to the REC output (Lch and Rch).

Connect a 100-k ohm (1/4 watt or so) resistor across the test point (Lch TP-3, 4 and Rch TP-5, 6) on the EQ Amp unit.

Set the switches as follows:

INPUT SELECTOR → PHONO

FREC OUT SELECTOR → Source

· CARTRIDGE → MM

· VOLUME CONTROL → - × ()

Adiustment

Approximately 2 minutes after turning on the POWER switch, rotate — VR103 (PMA-777), VR101 (PMA-757) and adjust the Lch digital meter reading for 0.5 mV DC or less value.

2 In the same manner rotate – VR104 (PMA-777), VR102 (PMA-757) and adjust the Rch digital meter reading for 0.5 mV DC or less value.

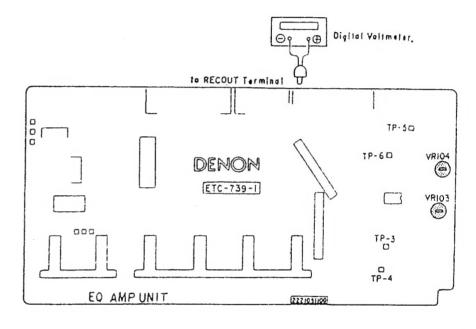


Fig. 5 for: PMA-777

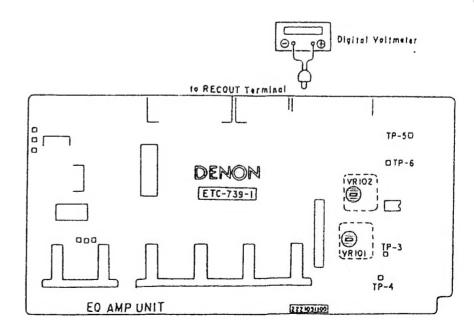
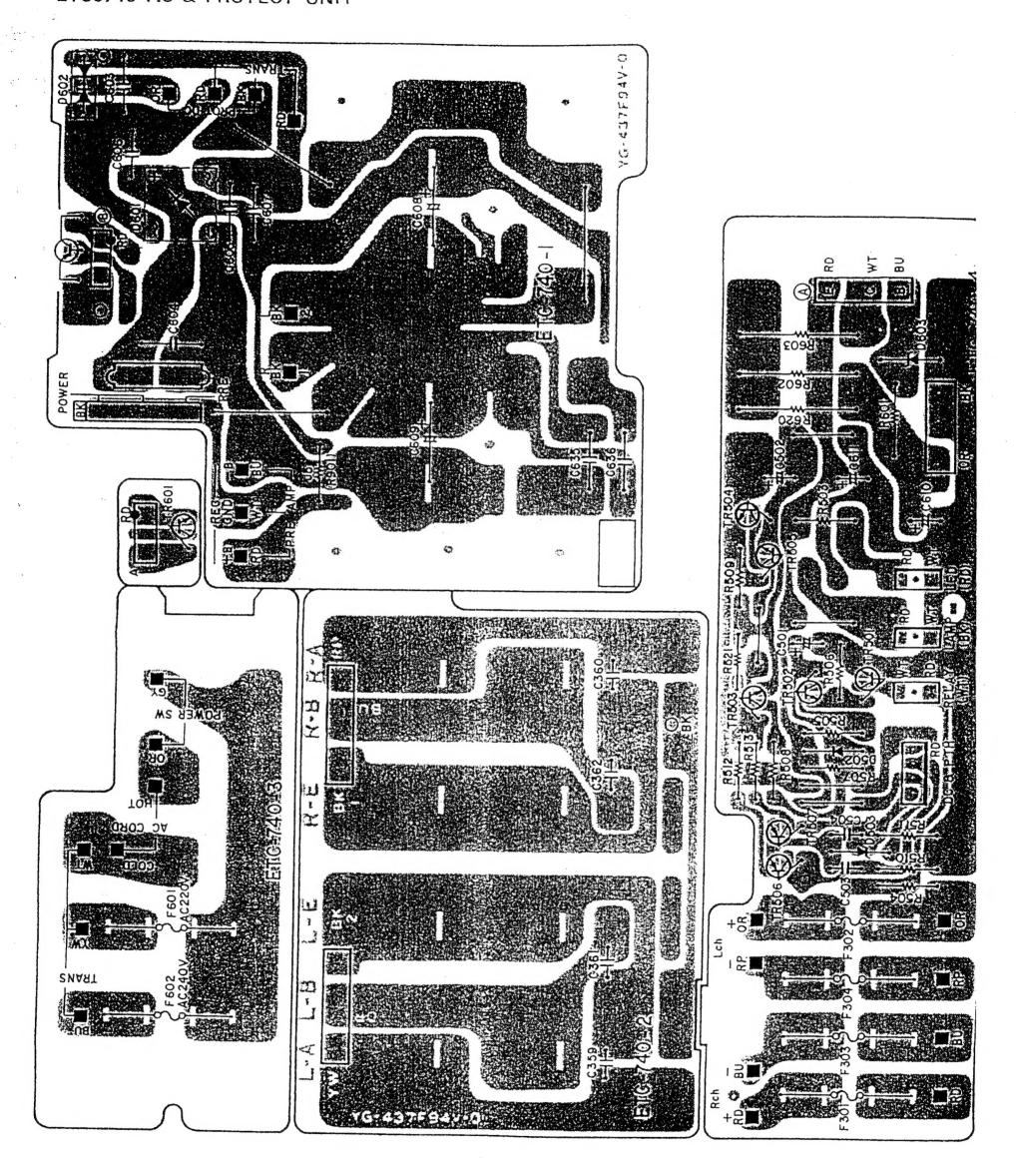


Fig. 5' for : PMA-757

• PMA-777

ETC0740 P.S & PROTECT UNIT



ETC0739 INPUT & EQ. UNIT PARTS LIST

Ref. No.	Part No.	Par	rt Nam	. & D	escriptions
	SE	MICONDU	CTOR	S	
IC101	2630118027	NJM45600	N (JR	Cl	IC
IC103.	2630133002	μPC741 (N	EC)		IC
104					
TR 101	2750046008	25K 170(B	L)/(V)	DVGS	FET
~108					
TR602.	2750043001	25K381(B)/(C)		FET
603		2SC2824(VIOI		TRANSISTOR
TR604	2730236029	2SA564A(TRANSISTOR
TR605	2710178039 2710135027	2SA1184			TRANSISTOR
D105,	2760049008	152076			DIODE
106					
D107	2760224001	HZ-30			ZENER
D501	2760191008	M03C			DIODE
D604	2760301005	HZ22-2			ZENER
	RESISTORS (no	t included Ca	arbon	±5%, 1	/4W Type)
Green.	2,000,000	3000	S.	171	METAL OXIDE
					Que.
THE	MININES.	JU211		1.57	feregal (OB).
1102	2 2			*****	(E A DARE
	THE PROPERTY.	NO CLED		111	
	Tremorranie.	560 550		300	IF MOE
शहरकार - इंग्रेट-	2:17:2:12				Miss
	PARTIER	de de la	.5	27	TETAL DISIDE
605				:: · ·	RB,
VR103,	EP-5462H19	SOLID VI	7 100k	ohm	
104					
	CAPACITORS (n	at included	Cerami	ic ±5%	, 50V Type)
C101	2544145005	0.47µF	±20%	50 V	ELECTROLYTIC
~103	i				
C127,	2554161008	0.0047µF	±5%	50 V	PLASTIC FILM
128				0511	ELECTROLYTIC
C129	2544157006	470µF	120%	25 V	ELECTROLYTIC
C131.	2549011008	141 LOW	LEMA	, 50 V	Eccomocino
132 C133.	2544146004	1µF	+20%	50V	ELECTROLYTIC
134	254414666				
C135,	2554173009	0.015µF	±5%	50V	PLASTIC FILM
136					
C137.	2554131009	270pF	±5%	50V	PLASTIC FILM
138		0000		501	PLASTIC ELLM
C139.	2554187008	0.056μF	±コ%	50 V	PLASTIC FILM
140	2554169000	0.01,45	+5%	50V	PLASTIC FILM
C141,	2334109000	0.0721	/4		
C143,	2544130007	100μF	±20%	10V	ELECTROLYTIC
144					
C145,	2544146004	1µF	120%	50 V	ELECTROLYTIC
146					OL ACTIO FILL
C149	2554163006	0.0056µF	±5%	50V	PLASTIC FILM
~152	2571034003	001.5	180	20% F	OV CERAMIC
C153,	2531024003	0.01μ	+0∪,~	20 /6 2	, C.
154 C355,	2554169000	0.01#F	±5%	50V	PLASTIC FILM
356	2554103000	ν.υ.μ.	2014		
C357,	2554177005	0.022µF	15%	50V	PLASTIC FILM
358					
C612	2544153000	47µF	120%	50V	ELECTROLYTIC
C615.	2544146004	1µF	t 20%	50V	ELECTROLYTIC
616					
C179	2531024003	0.01µF	+80,-	20% 5	OV CERAMIC
~181	L	1			

Ref. No.	Part No.	Part Name & Descriptions
C617 ~624	2531024003	0.01μF +80,20% 50V CERAMIC
		SWITCHES
SW101	2124513002	SLIDE SW (4-2) REMOTE
SW102	2124330007	SLIDE SW (4-2) REMOTE CARTRIDO
SW103	2124512003	4P PUSH SWITCH INPUT SEL 2P PUSH SWITCH T. MONITOR
SW104 SW105	2124422009	SLIDE SW (4-4) REMOTE RECOUT
SW106	2124510005	2P PUSH SWITCH S.P.
	l	OTHER PARTS
	2221091100	P.W. BOARD
	EP-5667H1	TERMINAL PIN USED 30 JUMPER WIRE P=5mm USED 6
	2090008146	JUMPER WIRE P=5mm USED 100
	2090008120	JUMPER WIRE P=12.5mm USED 8
	4140116106	SHIELD COVER USED 2
LE501	3939154008	PR5552K-1 RED LED
L301,	2350007007	INDUCTOR
302 PL601	3930083000	PILOT LAMP 16V 0.04A USED 9
~609		
	4530022208	LAMP COVER (A) USED 7 LAMP COVER (B) USED 1
	4530023207 1220109007	BLIND SHEET
	4410412200	LED HOLDER
	2034197097	3P CONNECTOR CORD
	2034214019	3P CONNECTOR CORD 3P CONNECTOR CORD
	2034185096	3P CONNECTOR CORD
	2034181087	3P CONNECTOR CORD
	2038132016	5P CONNECTOR CORD
RL501	2140037009	RELAY HEADPHONE JACK
	2048100009	4P CONNECTOR BASE PHONO
	2036084001	4P CONNECTOR BASE USED 2
	-2040079002	6P CONNECTOR BASE
	2048059008	DIN JACK (5P) EARTH PLATE
	4140240001	RADIATOR USED 2
	4730354019	TAPPING SCREW (2) 3×8 USED 2
	2050190036	3P NH CONNECTOR BASE USED 2
	2050190052	SPINH CONNECTOR BASE 3P WIRE HOLDER USED 7
	2050185054	SP WIRE HOLDER
		ŀ
1	i .	1

INTED WIRIN	G BOARD	PATTERNS AN	ID PARTS LIST

CO740 P.S & PROTECT UNIT PARTS LIST

THE STATE OF	Part No.	Part Name & Descriptions
	SI	EMICONDUCTORS
TR601:	2740088018	2SD1406(Y/GR) TRANSISTOR
TR501	2730235020	2SC1841(E/F) TRANSISTOR
TR502	2730269038	2SC1685(R) TRANSISTOR
TR506,	2730269038	2SA564A(R) TRANSISTOR
507	2760049008	1\$2076 DIODE
0502 0503	2760236031	HZ5C-1 ZENER
0601	2760356005	D5FB20(4001) DIODE
D602	2760151006	1D2C-1 DIODE
D603	2760256008	HZ-16-2 ZENER
		RESISTORS
R503	241 2096008	1.5k ohm ±5% 1/4W CARBON
1.50		MARIN ST. W. METABONICE
		MARKET MA
A505	2412116001	10k ohm ±5% 1/4W CARBON
R506	2412108006	4.7k ohm ±5% 1/4W CARBON
R507	2412164008	1M ohm ±5% 1/4W CARBON
R508	2412036000	4.7 ohm ±5% 1/4W CARBON
R509	2412116001	10k ohm ±5% 1/4W CARBON
R510,	2412149007	220k ohm±5% 1/4W CARBON
£511	2412120000	15k ohm ±5% 1/4W CARBON
R512.	2412120000	15k onm 15% 1/4W CARBON
R521	2412140006	100k ohm±5% 1/4W CARBON
W-1/2	24400860224	#100 ohm #5% FZW METALIOXIDE
		NBIT AND THE PARTY OF THE PARTY
·	22/00/2025	
	新新田斯 奇	THE STATE OF THE S
=-		
1		CAPACITORS
Č359 Č362	2531024003	0.01µF +80,-20% 50V CERAMIC
C501	2544129005	47μF ±20% 10V ELECTROLYTIC
C502	2544161034	330µF ±20% 6.3V ELECTROLYTIC
C503.	2531024003	0.01µF +80,-20% 50V CERAMIC
2504 2504	2531053003	0.01µF +100,-0% 500V CERAMIC
1607		
C608,	2546058006	22000/22000 F 63V ELECTROLYTIC
609		
C610	2544063035	100µF ±20% 80V ELECTROLYTIC
C611:	2544146004	1μF 50V ELECTROLYTIC
0 00 to 0	2588024018	O Idea - SO SONAMINANIA
1		FUSE
		1.035
	20160040023	GASE COME ON SELIO
TP C		
	WOO GOOD	FUSE COMP MINISTERIO
dans.		

P.W. BOARD

5P WIRE HOLDER
3P WIRE HOLDER USED 2

3P TERMINAL USED 3

TERMINAL PIN USED 25
JUMPER WIRE P~10mm USED 5

3PNH CONNECTOR BASE USED 3
4PNH CONNECTOR BASE

3P CONNECTOR PIN ASS'Y USED 2

JUMPER D=1.6 %=20mm USED 3

2221092109 EP-5667H1

2090008120 2050185054

2050185038 2050190036

2050190049 2050122033

2050087039 2090052008

Ref. No.	Part No.	Part Name & Descriptions
(R901)J5	2090008120	JUMPER WIRE P= 10mm
	2034163063	3P CONNECTOR CORD
	2034193046	3P CONNECTOR CORD
	2020022008	THE SECOND STREET
	4120952102	CONDENSER BRACKET
	2050144008	8P TERMINAL
-	2050178003	EARTH PLATE
	4730354019	TAPPING SCREW (2) 3x8 USED 4
	5130913004	FUSE LABEL

ETC0740D E1 for Asia (Same as ETC0740 except the followings.)

Ref. No.	Part No,	Part Name & Descriptions							
CAPACITORS									
C359 ~362	2531024003	0.01µF	+80,-20% 50V CERAMIC (DELETE)						
C635, 636	2568024018	0.1µF	±20% 250V METALIZED (DELETE)						
		OTHERP	ARTS						
	2020022008 2061015087	FUSE H	OLDER (DELETE) A) (DECETE)						

ETC0740E E3 for U.S.A. (Same as ETC0740 except the followings.)

Ref. No.	Part No.	P	art Name & D	Descriptions					
	CAPACITORS								
C359 ~361	2531024003	0.01µF	+80,-20% 5	OV CERAMIC (DELETE)					
C635, 636	2568024018	0.1µF	±20% 250V	METALIZED (DELETE)					
		OTHER PA	ARTS						
AF301	20610460018	EUSE(6	TAIR USED A	(CHAVES					
4F.601	20510:160 (FUSE CO.		G:MGE					
	5130854037	FUSE LA	BEL	(ADD)					
	5130854024	FUSE LA	BEL	(ADD)					
(R901)J5	2412321032	4.7 ohm	±5% 1/4W	CARBON (NB)					

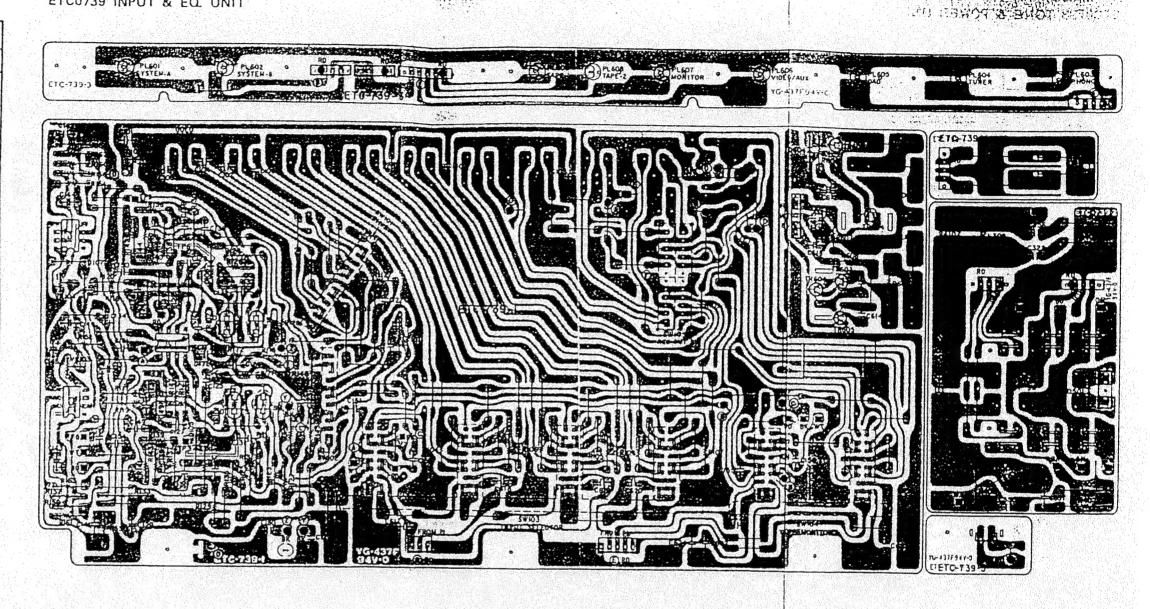
ETC0740E EA for Australia and EK for U.K. (Same as ETC0740 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions				
		CAPACIT	rors			
C359	2531024003	0.01µF	+80,20% 50V CERAMIC			
~361			(DELET	r E		
C635,	2568024018	0.1µF	120% 250V METALIZED			
636			(DELET	E		
		OTHER PA	RTS			
F601	2061015087	FUSE IT4	AI MINISEMKO (DELET	E)		
F602	2061015087	FUSE IT4	A) MINISEMKO (ADD)			

1 for Asia 0739 except the followings.)

CAPACI 2001 430pF 3000 470pF 5008 560pF 4003 0.01µF	TORS ±5% ±5% ±5%	50V 50V 50V	CERAMIC (DELETE) CERAMIC (DELETE)
CAPACI 2001 430pF 3000 470pF 5008 560pF 4003 0.01µF 5004 240pF	TORS ±5% ±5% ±5%	50V 50V 50V	(DELETE) CERAMIC (DELETE) CERAMIC (DELETE) CERAMIC (DELETE) CERAMIC
2001 430pF 3000 470pF 5008 560pF 4003 0.01µF 5004 240pF	±5% ±5%	50V 50V	(DELETE) CERAMIC (DELETE) CERAMIC
3000 470pF 5008 560pF 4003 0.01µF 5004 240pF	±5% ±5%	50V 50V	(DELETE) CERAMIC (DELETE) CERAMIC
5008 560pF 4003 0.01µF 5004 240pF	±5%	50∨	(DELETE)
4003 0.01µF 5004 240pF			
5004 240pF	+80,-	2004	
		- 20% 5	OV CERAMIC (DELETE)
9005 47pF	±5%	50V	CERAMIC (DELETE)
	15%	50V	CERAMIC (CHANGE)
ОТНЕЯ	PARTS		
	CK (5P) R WIRE		(DELETE) nm USED 102 (CHANGE)

• PMA-777 ETC0739 INPUT & EQ. UNIT



for U.S.A. 739 except the followings.)

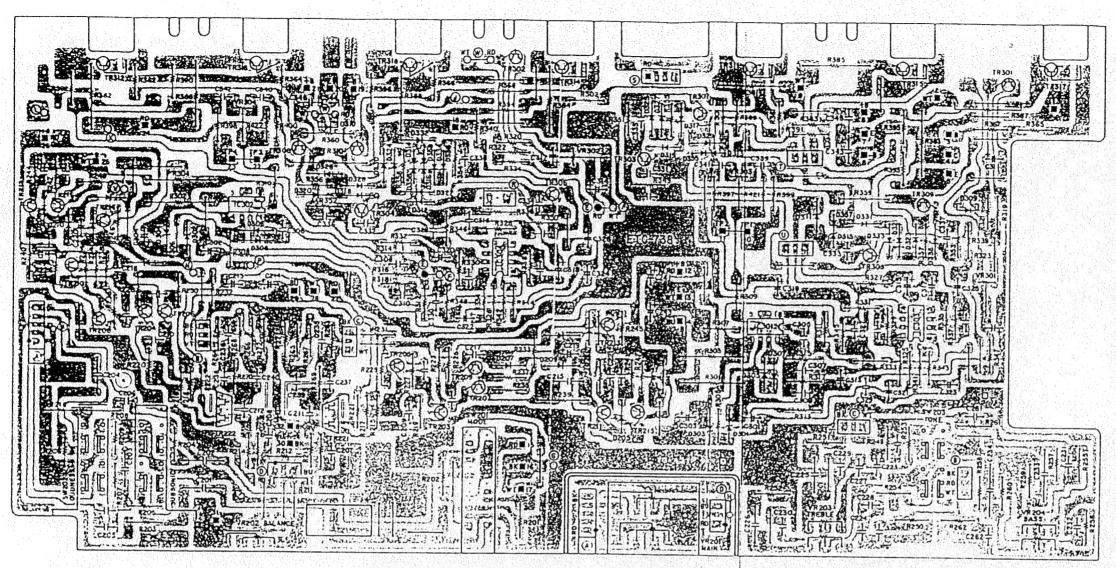
э.	Part Name & Descriptions	
· .	RESISTORS	
03	470k ohm±5% 1/4W CARBON	
20	JUMPER WIRE P-10mm (CHA	ETE)
	CAPACITORS	
юі	430pF ±5% 1/4W CERAMIC	ETEL
003	0.01µF +80,-20% 50V CERAMIC	
	4.5	

Rel. No.	Part No.		Part N	ame &	Descriptions
C155,	2533643000	470pF	15%	50 V	CERAMIC (DELETE)
C171,	2533636004	240pF	±5%	50 V	CERAMIC (DELETE)
C125.	2533645008	560pF	±5%	50V	CERAMIC (CHANGE)
C173, 174	2533819005	47pF	15%	50 V	CERAMIC (CHANGE)
		OTHER	PARTS		
	2048059008 2090008120	DIN JAC			(DELETE) nm USED 102 (CHANGE)

ETC0739F EA for Australia and EK for U.K. (Same as ETC0739 excep the followings.)

RESISTORS
JUMPER WIRE P= 10mm (CHANGE)
CAPACITORS
11 430pF 15% 50V CERAMIC (DELETE)
0.01µF +80,-20% 50V CERAMIC

Ref. No.	Part No.		Part Na	me & (Descriptions
C155,	2533643000	470pF	15%	50 V	CERAMIC
156	2533636004	240pF	±5%	50V	(DELETE)
172		1,00,	100	30 ¥	(DELETE)
125,	2533645008	560pF	15%	50 V	
126					(CHANGE)
173, 174	2533619005	47pF	25%	50 V	CERAMIC (CHANG ()
		OTHER	PART		
	2090008120	JUMPER	RWIRE	P=10m	nm USED 102



ETC0738E E3 for U.S.A. (Same as ETC0738 except the followings.)

Ref. No.	Part No.	Part Name & Descriptions		
CAPACITORS				
C241, 243	2544203002	1µF :20% 160V ELECTROLYTIC (CHANGE)		

ETC0738 TONE & POWER UNIT PARTS LIST

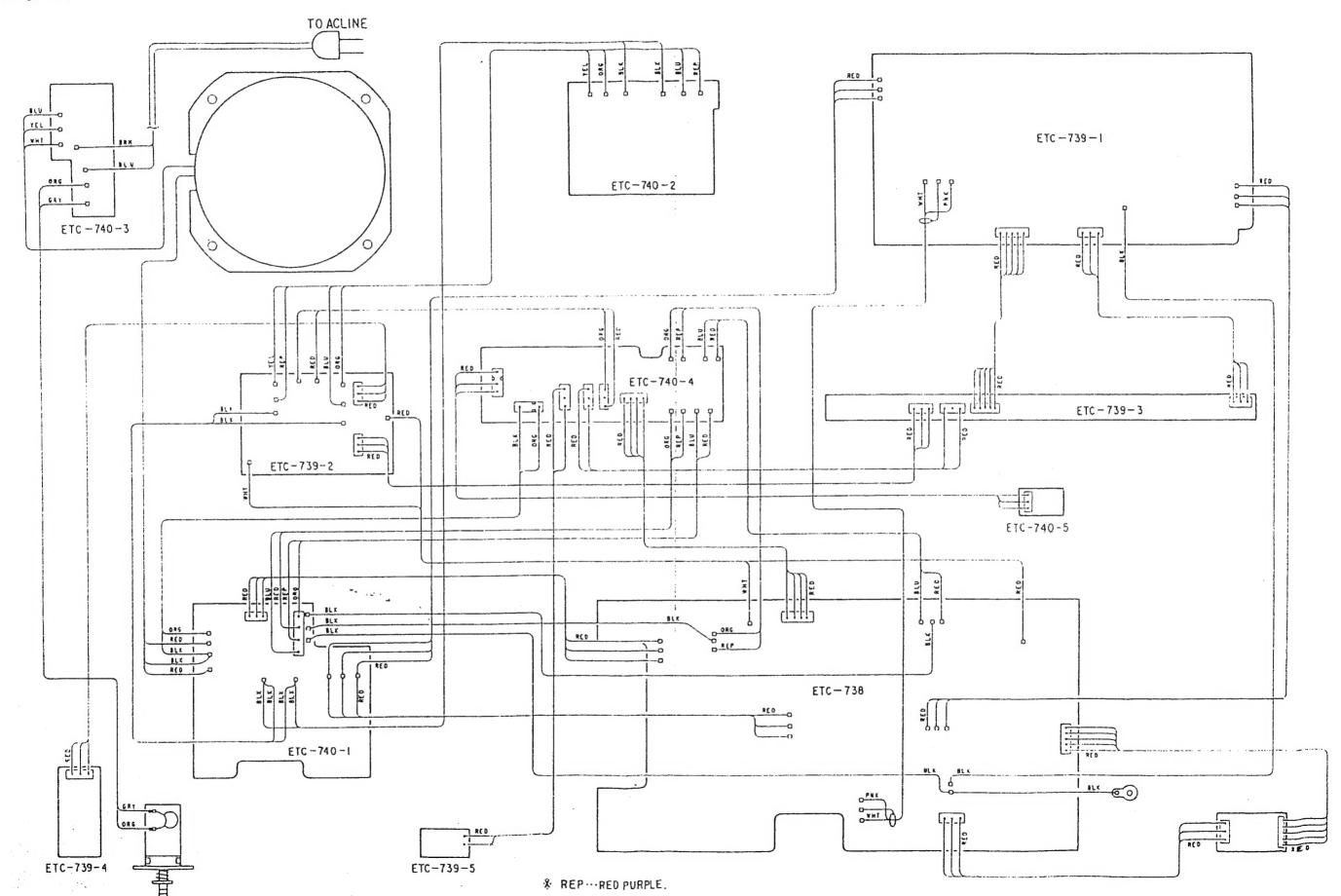
Ref. No.	Part No.	Part Name	& Descriptions
		EMICONDUCTORS	
TR221,	2750046008	25K170(BL)/(V)C	VGS FET
1C301 ~304	2630257001	M-5218P (MITSUE	BISHI) IC
TR 201, 202	2750046008	25K170(BL)/(V)D	VGS FET
TR 203 ~206	2730235020	2SC1841(E/F)	TRANSISTOR
TR207	2710185006	25A949(O)/(Y)	TRANSISTOR
TR211 ~214	2730307000	2SC2229(O)/(Ý)	TRANSISTOR
TR215, 216	2710185006	25A949(O)/(Y)	TRANSISTOR
TR301. 302	2730198015	25C1815(BL)	TRANSISTOR
TR303, 304	2730307000	2SC2229(O)/(Y)	TRANSISTOR
TR305, 306	2710185006	2\$4949(O)/(Y)	TRANSISTOR
TR307, 308	2730199027	25C2238(Y)/(O)	TRANSISTOR
TR309,	2710104029	2SA968(Y)/(O)	TRANSISTOR
D205 ~210	2760049008	152075	DIODE
D301 -304	2760253001	HZ (5-2	ZENER
D305 ~308	2760049008	152076	DIODE
D309.	2760388002	MV-1YH	DIODE
0311. 312	2760236031	HZ5C-i	ZENER
D313 ~316 D317	2760052053 2760049008	HZ118-1	ZENER
~336 D355	2760049008	152076	DIODE
~358	2760049008	1S2076	DIO OE

RESISTORS (not included Carbon Film ±5%, 1/4W Type)

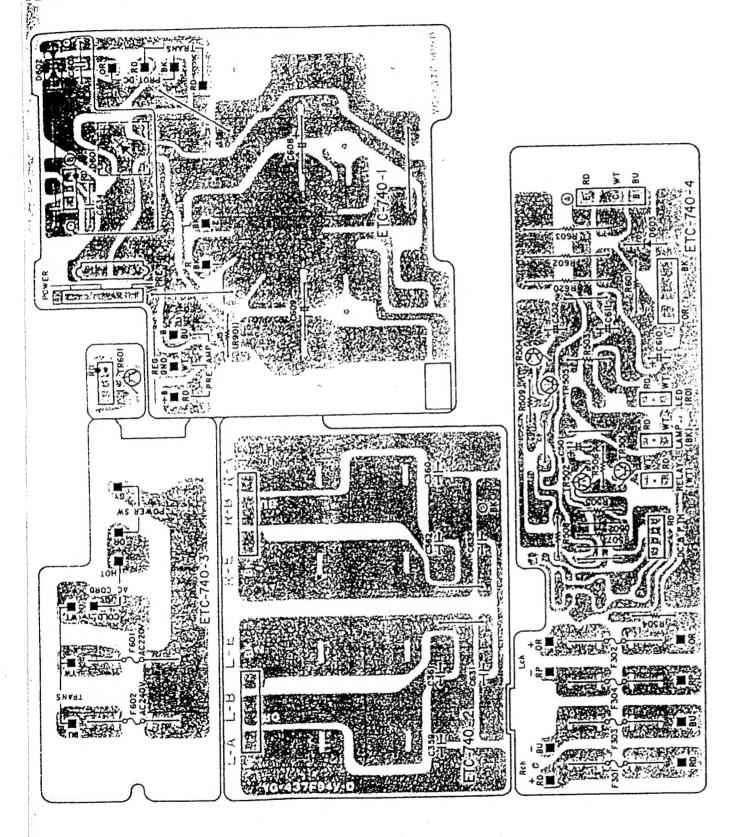
	era i parami keralahan kerilah bera	AND REPORT OF THE PARTY OF THE PARTY	10-11-12	St. Der St. Statische Marketinger
R209, 210	2420203003	10M ahm ±10%	1/4W	CAR BON
▲H2]]	2412014020	6470 ohm 45X9	SAW	CAR BON (NB)
	Mezitté	100 km (=)	TAX!	ear Echilli
	essentun	Dur 20	W.	er enren
	STEELED.	د کیا۔	11.72	eviction .
	210305	E2007.53	W.	METALLOXIDE
	THE SECTION	200 m 23	VAY.	CAR BONIFRI
.H2469	ALEMNIC.	72 Carr - (2)	1/10	CAR BON (AB)
H301	2440103028	?nsc.m±s.	W.	METAL OXIDE
H305	egreericts.	200m/15	I/XV	CAR BOX MB
H309 4	VIPERIO:	(Court - EX	74W	CAR BON (NB)
20,04	Market Tarible	TOTAL PROPERTY.	WIEL.	THE TABLE

CONNECTION DIAGRAM • PMA-777

This figure is E2 version



PMA-757 ETC0740B P.S & PROTECT UNIT



ETC0740B P.S & PROTECT UNIT PARTS LIST

	001.00.11	(OTECT-ONT)	
Ref. No.	Part No.	Part Name &	Descriptions
	SE	MICONDUCTORS	
TR501	2730235020	2SC1841(F)/(E)	TRANSISTOR
TR502	2730269038	2SC1685(R)	TRANSISTOR
TR504.	2730269038	2SC1685(R)	TRANSISTOR
505	2.002000		
TR60!	2740088018	2SD1406(Y)/(GR)	TRANSISTOR
D502	2760049008	1\$2076	DIODE
D601	2760356005	D5FB20(4001)	DIODE
D602	2760151006	1D8C-1	DIODE
0603	2760256008	HZ-16-2	ZENER
		RESISTORS	
		1.51 - L EN . 1/4	W CARBON
R503	2412096008 2412369081	1.5k ohm 15% 1/4 330 ohm 15% 31/4	
18504	2412369061	4 · * ** · · · · · · · · · · · · · · · ·	W CARBON
R505		4,7k ohm 15% 1/4	
R506 R507	2412108006	4.7k onm 15% 1/4	
	2412036000		W CARBON
R508 R509	2412116001		W CARBON
R601	2412116001		W CARBON
11001	2410203000	3.5K OIIII 12/11 1/2	COMPOSIT
R602.	2440086022	100 ohm ±5% 72W	
1002	AL STANDING	ATTAL BURNES	METAL OXIDE
HR603	12440079026	27 ohm 3 ±5% 3 2W	ZEMETAL OXIDE C
	Table 1	STATE OF THE	WINBLY STATE
IR620	2440086022	100 obm +5X 2W	METAL OXIDE
		THE PARTY OF THE P	VINB)
* NY. 13	The state of the s	以为诸型中的4分别的14元。	egon agreement state of the second
		CAPACITORS	
0250	2521025002	0.022µF +80,-20%	SOV CERANIC
C359	2531025002	U.U22µ1 +00,-20%	304 65474116
~362	~~	47µF ±20% 101	V ELECTROLYTIC
C501	2544009002		V ELECTROLYTIC
C502	2544161034		
C603	2531053003		SOOV CERAMIC
C608,	2546063004	15000µr/15000µr (63V ELECTROLYTIC
609		100 5 200 801	V. ELECTROLYTIC
C610	2544063035		
C611	2544089006	1µF ±20% 50	
C633,	2531053003	0.01µF +100,-10	% 500V CERAMIC
634			
C631,	2531024003	0.01µF +80,20%	SOV CERAMIC
632			
	1	FUSE	
	marks metablic resource.	in the first dank and diffe on	nager (1) said (exercis)
±F301-	2061040036	FUSE (F6A) SE	MKO MINI
~304		以下的文本	从中心 上于1999年
4F601€	2061015074	FUSE (TJ. 15A) SE	MKO MINITED TO SEE
		OTHER PARTS	
	2221002100	PW BOARD	
	2221092109	P.W. BOARD	ISED 26
	EP-5667H1		
1	2050008120	JUMPER WIRE P-1	
	2050185054	SP WIRE HOLDER	
	2050185038	3P WIRE HOLDER	THASE USED T
	2050190036	3PNIT CONNECTOR P	
	2050122033	1	
	2050087039	3P TERMINAL US	
	2090052008		
	2034163063	3P CONNECTOR C	
	2034193046	JP CONNECTOR C	
	4120952102	CONDENSER BRA	CKET
	2050144008	8P TERMINAL	
	2050178003	EARTHPLATE	
1	4730354019	TAPPING SCREW	2) 3×8 USED 4
	5130934009	FUSE LABEL	
Į.	1	1	

Ref. Part No. Part Name & Descrip		Part Name & Descriptions
1 1 1 X X	2020022008	FUSE HOLDER USED 10
	2030226027	IP CONTACT ASS'Y
18901115	2050008120	JUMPER IWRE P#10mm

ETC0740M E1 for Asia (Same as ETC0740B except the followings.)

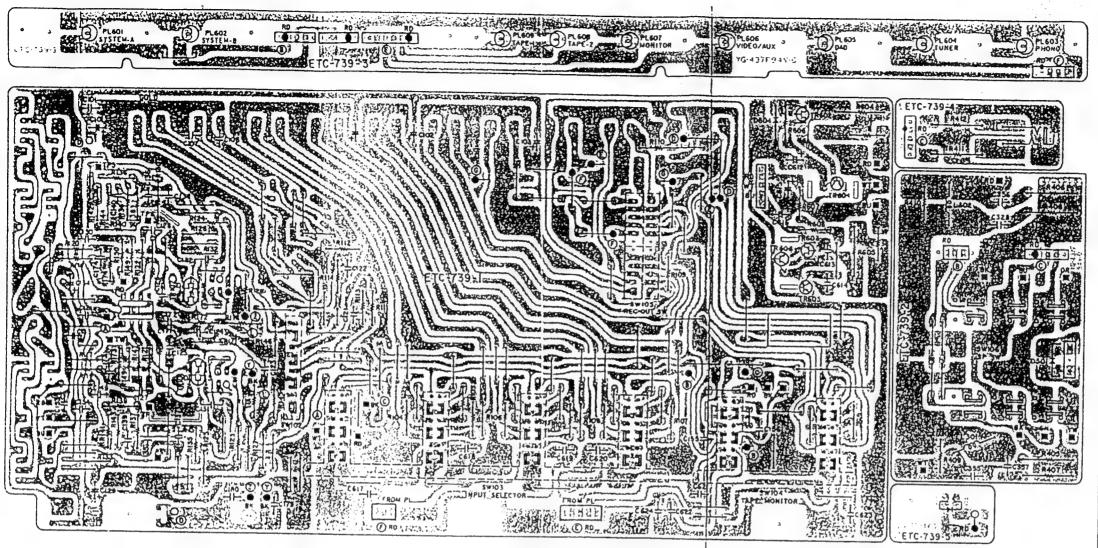
Rel. No.	Part No.	Part Name & Descriptions			
	CAPACITORS				
C631,	2531024003	0.01µF +80,-20% 50V	CERAMIC		
632			(DELETE)		
C633,	2531053003	0.01µF +100,-0% 500\	CERAMIC		
634		· ·	(DELETE)		
C359	2531025002	0.022µF +80,-20% 50∨	CERAMIC		
~362			(DELETE)		
		OTHER PARTS .			
	5130934009	FUSE LAREL	(DELETE)		
	2020022008	FUSE HOLDER USED 6	(CHANGE)		
	2061015087	FUSE (4A)	(DELETE)		
	2030226027	IP CONTACT ASS'Y	(DELETE)		

ETC0740N E3 for U.S.A., & EC for Canada (Same as ETC0740B except the followings.)

Ref. No.	Part No.	Part Name & Descriptions		
	CAPACITORS			
C633, 634	2531053003	0.01µF +100, -0% 500V CERAMIC (DELETE)		
C631, 632	2531024003	0.01µF +80,-20% 50V CERAMIC (DELETE)		
C359 ~362	2531025002	0.022µF +80,-20% 50V CERAMIC (DELETE)		
	OTHER PARTS			
F301 ~ 304	2061046027	FUSE 5A (UL) (CHANGE)		
#601 ×	2030226027	TEUSE 63A (UUS) PER EST (CHANGE) SIECONTACTASS Y SATE (DELETEL) 4.7 ohm 15N 1/41V CARBON (NB)		
	5130854037 5130854011	FUSE LABEL USED 4 4ADDI		

ETC0740P EA for Australia & EK for U.K. (Same as ETC0740B except the followings.)

Part No.	Part Name & Descript ions	
	CAPACITORS	
2531053003	0.01µF +100,-0% 500V CE	HAMIC (DELETE)
2531024003	0.01µF 1180, -20% 50V CEF	(DELETE)
2531025002	0.022µF +80,-20% 50∨ CEF	(DELETE)
J.,	OTHER PARTS	
2030226027	IP CONTACT ASS'Y FUSE (T.4A) MINISEMKO	(DELETE) (DELETE)
	2531053003 2531024003 2531025002	CAPACITORS 2531053003 0.01μF +100,-0% 500V CE 2531024003 0.01μF +80,-20% 50V CER 2531025002 0.022μF +80,-20% 50V CER OTHER PARTS 2030226027 1P CONTACT ASS'Y 2061015087 FUSE (T.4A) MINISEMKO



ETC0739B INPUT & EQ. UNIT PARTS LIST

Ref. No.	Part No.	Part Name & Descriptions	
	s	EMICONDUCTORS	
IC101	2630081015	NJM4558DX (JRC)	IC
TR101, 102	2750029025	2SK240(BL)/(V)	FET
TR602, 603	2750043001	25K381(B)/(C)	FET
TR604	2730236029	2SC2824(Y/O)	TRANSISTOR
TR605	2710178039	2SA564A(R)	TRANSISTOR
TR606	2710135027	25A1184(Y/O)	TRANSISTOR
0501	2760191008	W03C	DIODE
0604	2760301005	HZ 22-2	ZENER
l		RESISTORS	
R129, 130	2420203003	10M ohm ±10% 1/4W	CARBON COMPOSIT

Ref. No.	Part No.	Part Name & Descriptions
605	March . C -4 4" . 10. 7	(FIX Dhm = 45 X & I/AW CARBON (NB) 22-ohm = 45 X & W METAL-OXIDE (INB) 420-ohm = 45 X IW METAL-OXIDE (INB) 390-ohm = 45 X IW METAL-OXIDE (INB) SOLID VR 100 ohm
	(CAPACITORS
C101 103	2544145005	0.47µF ±20% 50V ELECTROLTYIC
C121,	2531024003	0.01µF +80,-20% 50V CERAMIC
C127,	2551121009	0.0068µF 15% 50V PLASTIC FILM
C129	2544164031	220µF 120% 25V ELECTROLYTIC

7		1				
	Ref. No.	Part No.		Part Na	me &	Descriptions
	C131,	2541010007	10µF	120%	10V	TANTALUM
	C133,	2544146004	1μF	±20%	50 V	ELECTROLYTIC
	C135,	2551121041	0.015µF	±5%	50V	PLASTIC FILM
	C137,	2551120000	0.001µF	±5%	50 V	PLASTIC FILM
	C139,	2551122011	0.056 _µ F	15%	50 V	PLASTIC FILM
	C149, 150	2551120097	0.0056 _µ F	15%	50V	PLASTIC FILM
	C153, 154	2531024003	0.01µF	+80,-2	20% 50	DV CERAMIC
	C181	2531024003	0.01µF	+802	20% 50	OV CERAMIC
	C355, 356	2551121025				PLASTIC FILM
						1

		·	
	ef. o.	Part No.	Part Name & Descriptions
C35	57, 58	2551121067	0.022µF ±5% 50V PLASTIC FILM
C6		2544153000	47µF ±20% 50V ELECTROLYTIC
C6		2544146004	1.5
6		2011110001	1µF ±20% 50V ELECTROLYTIC
C6		2531024003	0.01µF +80,-20% 50V CERAMIC
~6:		2051021003	5.51#1 FB0,-20% 50V CERAMIC
			SWITCHES
sw	102	2124330007	SLIDE SW (4-2) REMOTE CARTRIDGE
SW	103	2124512003	4P PUSH SW INPUT SEL
SW	104	2124422009	2P PUSH SW TAPE MONITOR
SW	105	2124187001	SLIDE SW 14-41 REMOTE
			RECOUT SEL
SW	106	2124510005	2P PUSH SW S.P.
			OTHER PARTS
1	1	2221091100	P.W. BOARD
		EP-5667H1	TERMINAL PIN USED 30
	- 1	2090008146	JUMPER WIRE P-5mm USED 5
		2090008133	JUMPER WIRE P=7.5mm USED 2
		2090008120	JUMPER WIRE P-10mm USED 100
	1	2090008117	JUMPER WIRE P-12.5mm USED 10
LE5	- 1	3939154008 2350007007	PR5552K-1 (RED) LEO
30 PL6	01	3930083000	PILOT LAMP 16V 0.04A USED 9
		4530022208	LAMP COVER (A) USED 7
		4530023207	LAMP COVER (B) USED 1
		1220109007	BLIND SHEET
1		4410412200	LED HOLDER
l		2034197097	3P CONNECTOR CORD
		2034214019	3P CONNECTOR CORD
1	- 1	2034185096	3P CONNECTOR CORD
		2034181074	JP CONNECTOR CORD
ĺ		2034181087	3P CONNECTOR CORD
		2038132016	SP CONNECTOR CORD
RL50	01	2140037009	RELAY
	- 1	2048100009	HEADPHONE JACK
		2036084001	4P CONNECTOR BASE
	- 1	2040079002	6P CONNECTOR BASE USED 2
	- 1	4140240001	EARTH PLATE
	3	2048059008	DIN JACK (SP)
	,	4170043100	RADIATOR USED 2
	- 1	4730354019	TAPPING SCREW (2) 3x8 USED 2
	- 1	2050190036	3P NH CONNECTOR BASE USE 0 2
	- 1	2050190052	SP NH CONNECTOR BASE
		2050185038	3P MRE HOLDER USED 7
	1		
	1 '	2050185064 I	5P WIDE HOLDED
	- 1	2050185054 2030225073	5P WIRE HOLDER 1P CONTACT ASS'Y

ETC0739N E3 for U.S.A., and EC for Canada (Same as ETC0739B except the followings.)

Ref. No.	Part No.	Part Name & Descriptions
		RESISTORS
R109,	2412156003	470k ohm: 5% 1/4W CARBIN DELETE)
R171,	2090008120	JUMPER WIRE P= 10mm
172		CHANGE
R121, 122	2412090004	820 ohm :5% 1/4W CARBON DELETE
R149, 150	2412068007	100 ohm :5% 1/4W CARBON DELETEI

• PMA-757 ETC0738B TONE & POWER UNIT PARTS LIST

Ref. No.	Part No.	Part Name &	Descriptions		
	S	EMICONDUCTORS			
TR221,	2750046008	2SK170(BL)/(V)DVGS FET			
222 IC301	2630257001	M-5218P (MITSUBIS	HI) IC		
~304 TR201,	2750046008	2SK170(BL)/(V)DV0	S FET		
202 TH 203	2730235020	2SC1841(E/F)	TRANSISTOR		
~206 TR 207	2710131021	2SA988(E/F)	TRANSISTOR		
~210 TR211,	2730235020	2SC1841(E/F)	TRANSISTOR		
212 TR213,	2730307000	2SC2229(O)/(Y)	TRANSISTOR		
214 TR215,	2710185006	25A949(O)/(Y)	TRANSISTOR		
216 TR301,	2730198015	2SC1815(BL)	TRANSISTOR		
302 TR303,	2730307000	2SC2229(0)/(Y)	TRANSISTOR		
304 TR305,	2710185006	2SA949(O)/(Y)	TRANSISTOR		
306 TR307.	2730226042	2SC2275(Q)/(P)	TRANSISTOR		
308 TR309,	2710123042	2SA985(Q)/(P)	TRANSISTOR		
310 0205	2760049008	182076	DIODE		
~210 0301	2760253001	HZ15-2	ZENER		
~304 0305	2750049008	182076	DIODE		
~308 D309,	2760388002	MV-1YH	DIODE		
210 D311,	2760236031	HZ5C-1	ZENER		
312 D317 ~336	2760049008	1\$2076	DIODE		
		ncluded Carbon ±5%, 1,			
R209, 210	2420203003	10M ohm ±10% 1/4W	COMPOSIT		
7102' 1256)		470-2000-≦3 VAV 470-2001-53 VAV			
1251	ZIVE TO T	7500pm 255 (147)	BARRY FR		
PAGE,	2112-6025	Winds Z: 14W	estage and		
这	Z-1012502)	Edws W			
	Z102-1525	Tour En Haw	क्षित्र कुरुसम्हर्भ क्षा		
	RIVERSOLD.	Dam 35 KW	Catherine comp		
R390,	2090008120	JUMPER WIRE P= 10-	ากา		

Ref. No.	Part No.	Part Name & Descriptions
1801.	3.0000000	27830m 15% MeVALOMBE
RE05	210221013	
(\$306) (\$309),	SIPEP (US)	Poline 153 KW EASEDERED
310 38:15	200000000000000000000000000000000000000	10m 23 MA CARONIAN
78.8	3112271000	Party (5) 1441 SABOR (18)
FSF t	202018003	Michigan 263 (AL) FAREDI (FA)
7333)	21102020	100 com - 35 th AFFAL DADE
(F363)	20122000	AND SEE WAY OF THE SEE THE SEE
1385	3:10:0000	OFFICION SECTION SECTI
3791	Z11221120071	COCHU 15'5 IAN EARON (E)
VR201	2110424008	VARIABLE RESISTOR 100k ohm MAIN
VR202		VARIABLE RESISTOR 250k ohm BALANCE
VR203	2110309107	VARIABLE RESISTOR 50k ohm TREBLE
VR204	2110309110	VARIABLE RESISTOR 100k ohm BASS
VR301	2116025087	SEMI-IFXED RESISTOR 4.7k ohm IDLE
VR303 304	1	SEMI-IFXED RESISTOR 100 ohm DISTORTION
CA	PACITORS (not	included Ceramic ±5%, ±10%, 50V Type)
C201,	2551122040	0.1µF ±5% 50V PLASTIC FILM
C203, 204	2551122037	0.082µF ±5% 50V PLASTIC FILM
C207, 208	2551120000	0.001µF ±5% 50V PLASTIC FILM
C209, 210	2551120084	0.0047µF±5% 50V PLASTIC FILM
C213,	2544146004	1μF ±20% 50V ELECTROLYTIC
C215,	2554079048	0.01µF ±5% 100V PLASTIC FILM
C217, 218	2534269001	10pF ±0.5pF 500V CERAMIC
C219, 220	2544181001	1µF ±20% 100V ELECTROLYTIC
C223,	2551121009	0.0068µF±5% 50V PLASTIC FILM
C225,	2551122011	0.056µF ±5% 50V PLASTIC FILM
C229, 230	2551120013	0.0012µF±5% 50V PLASTIC FILM
C231, 232	2551121096	0.039µF ±5% 50V PLASTIC FILM
C233, 234	2551122095	0.27µF ±5% 50V PLASTIC FILM
C239, 240	2543016067	10μF ±20% 50V ELECTROLYTIC (B. POLE)
C241,	2544181001	1µF ±20% 100V ELECTROLYTIC
C243	2544181001	1µF ±20% 100V ELECTROLYTIC
C301 ~304	2544089002	100µF ±20% 50V ELECTROLYTIC

Ref. No.	Part No.		Part Na	eme &	Descriptions	
CAPACITORS						
C106,	2533639001	330pF	±5%	50V	CERAMIC	
107 C121,	2531024003	0.01µF	+80	-20% 5	(DELETE)	
122 C125,	2533645008	560pF	±5%	50 V	(DELETE)	
C127,	2551120084	0.0047µF	±5%	50V	(DELETE) PLASTIC FILM (CHANGE)	
C155,	2533643000	470pF	±5%	50V	CERAMIC (DELETE)	
C171,	2533636004	240pF	:5%	50 V	CERAMIC (OELETE)	
C173,	2533627000	100pF	±5%	50٧	CERAMIC (DELETE)	
C175	2533629008	120pF	±5%	50V	CERAMIC (DELETE)	
C176	2533631009	150pF	±5%`	50V	CERAMIC (DELETE)	
C177	2531054031	0.0012µF	±10%	50V	CERAMIC (DELETE)	
-		OTHER PA	ARTS			
	2030225073 2048059008 2090008120	1P CONT DIN JACI JUMPER	< (5P)		(DELETE) (DELETE) (DELETE) (DELETE) (DELETE) (DELETE)	

ETC0739M E1 for Asia (Same as ETC0739B except the followings.)

	Ref. No.	Part No.	Part Name & Descriptions				
ļ	RESISTORS						
	R109,	2412156003	470k ohm±5% 1/4W CARBON (DELETE)				
ı	R121,	2412090004	820 ohm ±5% 1/4W CARBON				
ı	122		(CHANGE)				
	R149,	2412068007	100 ohm ±5% 1/4W CARBON				
P	150	2000000120	(CHANGE)				
ı	R171.	2090008120	JUMPER WIRE P=10mm				
I	1/2		(CHANGE)				
I							
			1				
	CAPACITORS						
	C106.	2533639001	330pF ±5% 50V CERAMIC				
	107		(DELETE)				
	C155,	2533643000	470pF ±5% 50V CERAMIC				
	156	[(DELETE)				
	C125,	2533645008	560pF ±5% 50V CERAMIC				
	126		(DELETE)				
	C127,	2551120084	.0.0047#F ±5% 50V PLASTIC FILM				
- 1	128		(CHANGE)				
-	C121,	2531024003	0.01µF +80,-20% 50V CERAMIC				
- [122		(DELETE)				
1	C177	2531054031	0.0012µF ±10% 50V CERAMIC				
1			(DELETE)				
1	C171.	2533636004	240pF ±5% 50V CERAMIC				
1	172		(DELETE)				
I	C173.	2533627000	100pF 15% 50V CERAMIC				
L	174	1	(DELETE)				

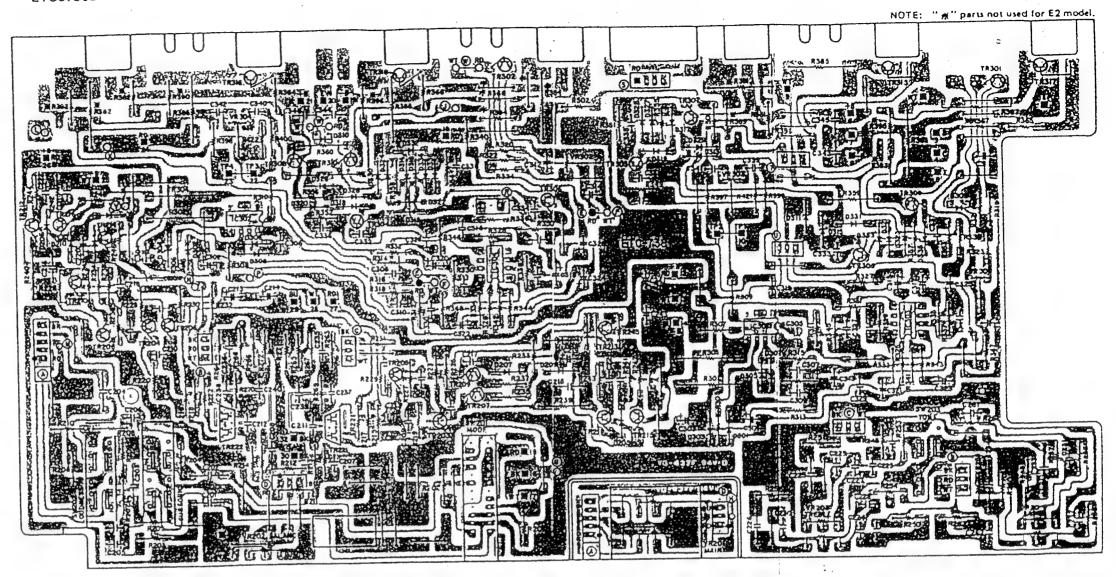
Ref. No.	Part No.	Part Name & Descriptions			
C175	2533629008	120pF	±5%	50V	CERAMIC (DELETE)
C176	2533631009	150pF	±5%	50 V	CÉRAMIC (DELETE)
		OTHER P	ARTS		
	2030225073 2048059008 2090008120	1P CONT DIN JAC JUMPER	K (5P)		(DELETE) (DELETE) D 102 (CHANGE)

ETC0739P EA for Australia and EK for U.K. (Same as ETC0739B except the followings.)

CHANGE 100 ohm ±5% 1/4W CARBON (CHANGE 150 171 172 2090008120 JUMPER WIRE P=10mm (CHANGE 172 CHANGE 172 (CHANGE 172 CHANGE 173 CHANGE 174 CHANGE 174 CHANGE 175 CHANGE 175			
R121			Part Name & Descriptions
CHANGE 100 ohm = 5% 1/4W CARBON (CHANGE 150 172 2090008120 100 ohm = 5% 1/4W CARBON (CHANGE 172 173 174 174 174 175 174 175 174 175 174 175			RESISTORS
CAPACITORS	ł		820 ohm ±5% 1/4W CARBON (CHANGE)
CAPACITORS C106. 2533639001 330pF ±5% 50V CERAMIC DELETE) C155. 2533643000 470pF ±5% 50V CERAMIC DELETE) C126. 2533645008 560pF ±5% 50V CERAMIC DELETE) C127. 2551120084 0.0047µF ±5% 50V PLSTICF LLM CHANGE! C121. 2531024003 0.01µF ±80.—20% 50V CERAMIC DELETE) C177. 2531054031 0.0012µF ±5% 50V CERAMIC DELETE) C171. 2533636004 240pF ±5% 50V CERAMIC DELETE) C172. 2533631009 150pF ±5% 50V CERAMIC DELETE) C175. 2533631009 150pF ±5% 50V CERAMIC DELETE) C175. 2533629008 120pF ±5% 50V CERAMIC DELETE) C175. 2533629008 120pF ±5% 50V CERAMIC DELETE) C176. 2533631009 150pF ±5% 50V CERAMIC DELETE) C177. 2533637000 150pF ±5% 50V CERAMIC DELETE) C178. 2533629008 120pF ±5% 50V CERAMIC DELETE) C179. 2533629008 120pF ±5% 50V CERAMIC DELETE) C179. 2533629008 120pF ±5% 50V CERAMIC DELETE)	1		
C106. 2533639001 330pF ±5% 50V CERAMIC 107 C155. 2533643000 470pF ±5% 50V CERAMIC 156 C125. 2533645008 560pF ±5% 50V CERAMIC 126 C127. 2551120084 0.0047µF ±5% 50V PLSTICF J LM 128 C121. 2531024003 0.01µF +8020% 50V CERAMIC 122 C177 2531054031 0.0012µF ±5% 50V CERAMIC 172 C171. 2533636004 240pF ±5% 50V CERAMIC 172 C173. 174 C176 2533631009 150pF ±5% 50V CERAMIC 174 C176 2533631009 150pF ±5% 50V CERAMIC 177 C175 2533629008 120pF ±5% 50V CERAMIC 18 LETE) OTHER PARTS 2030225073 1P CONTACT ASS'Y (DEL ETE)	1		JUMPER WIRE P=10mm (CHANGE)
C106. 2533639001 330pF ±5% 50V CERAMIC 107 C155. 2533643000 470pF ±5% 50V CERAMIC 156 C125. 2533645008 560pF ±5% 50V CERAMIC 126 C127. 2551120084 0.0047µF ±5% 50V PLSTICF J LM 128 C121. 2531024003 0.01µF +8020% 50V CERAMIC 122 C177 2531054031 0.0012µF ±5% 50V CERAMIC 172 C171. 2533636004 240pF ±5% 50V CERAMIC 172 C173. 174 C176 2533631009 150pF ±5% 50V CERAMIC 174 C176 2533631009 150pF ±5% 50V CERAMIC 177 C175 2533629008 120pF ±5% 50V CERAMIC 18 LETE) OTHER PARTS 2030225073 1P CONTACT ASS'Y (DEL ETE)			
DELETE			CAPACITORS
DELETE	,	2533639001	330pF ±5% 50V CERAMIC (DELETE)
126	156		(DELETE)
128	126		(DELETE)
C177	C121.	2531024003	(CHI ANGE)
C171. 2533636004 240pF ±5% 50V CERAMIC (DE LETE) C173. 2533627000 100pF ±5% 50V CERAMIC (DE LETE) C176 2533631009 150pF ±5% 50V CERAMIC (DE LETE) C175 2533629008 120pF ±5% 50V CERAMIC (DE LETE) C175 OTHER PARTS C176 2533629008 120pF ±5% 50V CERAMIC (DE LETE)		2531054031	0.0012µF±5% 50V CERANIC
174 C176 2533631009 150pF ±5% 50V CERAMIC (DE LETE) C175 2533629008 120pF ±5% 50V CERAMIC (DE LETE) OTHER PARTS 2030225073 1P CONTACT ASS'Y (DELETE)	1	2533636004	240pF ±5% 50V CERAMIC
C175 2533629008 120pF ±5% 50V CERAMIC (DE LETE)	174		(DE LETE)
OTHER PARTS 2030225073 1P CONTACT ASS'Y (DELETE)			(DE LETE)
2030225073 1P CONTACT ASS'Y (DEL ETE)		2333025008	
2030225073 1P CONTACT ASS'Y (DEL ETE)			
2030225073 1P CONTACT ASS'Y (DEL ETE)			
			OTHER PARTS
(CIANGE)		1	JUMPER WIRE P=10mm USED1 02

ETC0738B TONE & POWER UNIT

iel. io.	Part No.	Part Name & Descriptions
11	2544146004	1µF ±20% 50V ELECTROLYTIC
27	2551120026	0.0015#F ±5% 50V PLASTIC FILM
130	2534482008	33pF ±5% 500V CERAMIC
39	2551121025	0.01µF ±5% 50V PLASTIC FILM
142 143 146	2561030070	0.1µF ±5% 100V PLASTIC FILM
		SWITCHES
W201 W202 W203	2120221000 2124511004 2124462001	ROTARY SWITCH MODE 2P PUSH SWITCH LOUD, SUB 1P PUSH SWITCH DIRECT
		OTHER PARTS
	2221090101 EP-5667H1 2090008120 2030230039 2050185038 2050185054 4711303018 4756006008	P.W. BOARD TERMINAL PIN USED 40 JUMPER WIRE P-10mm USED 50 1P CONNECTOR JP WIRE HOLDER USED 6 4P WIRE HOLDER SP WIRE HOLDER USED 2 3x6 CPS USED 2 JN USED 2



ETC0738M E1 for Asia (Same as ETC0738B except the followings.)

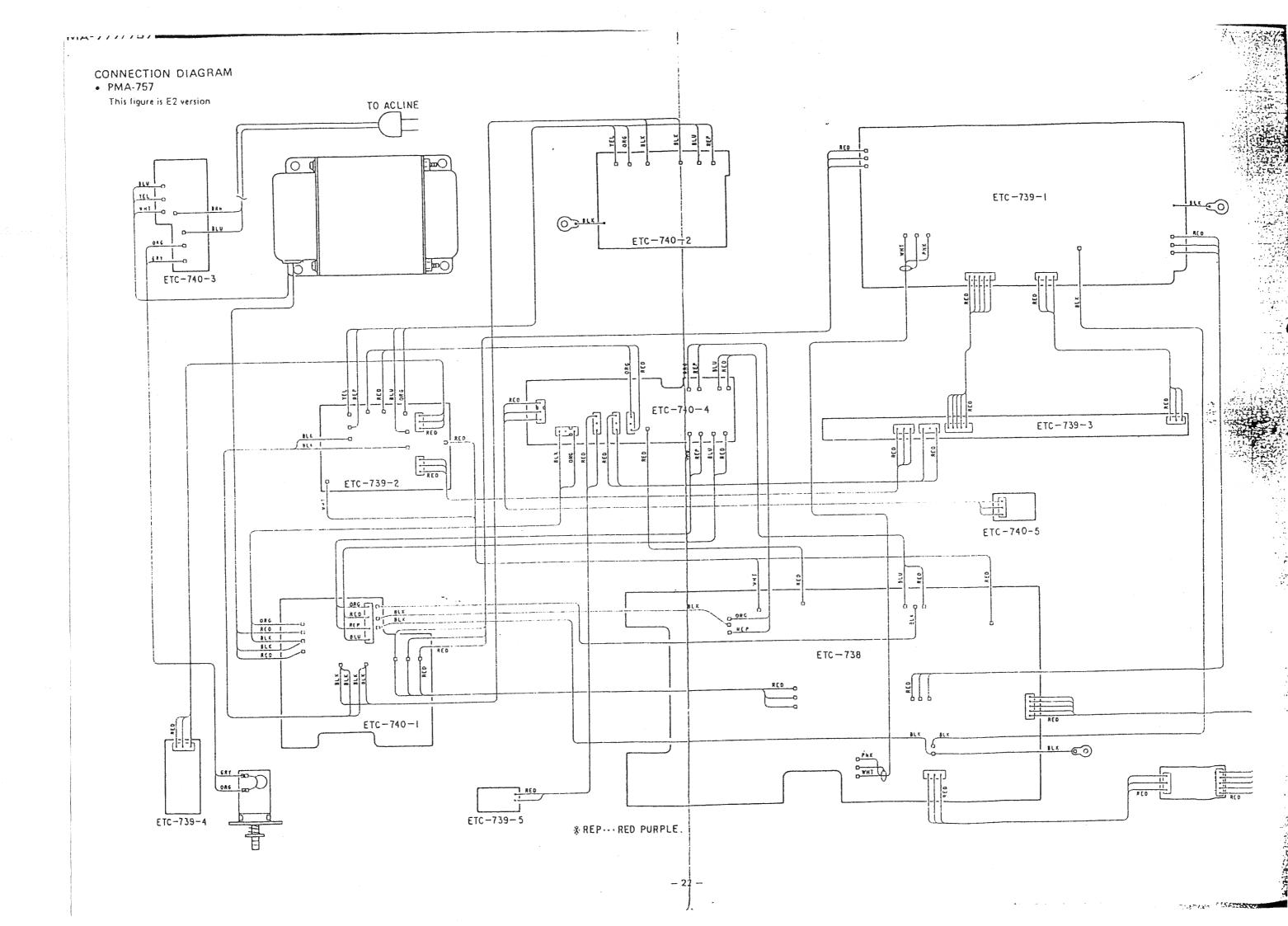
Ref. No.	Part No.	Part Name & Descriptions					
	S	EMICONDUCT	ORS				
D313 ~316	2760236031	HZ5C-1	ZENER	(ADD)			
		RESISTORS					
R219,	2412065000		% 1/4W CA	ICHANGE:			
4,636) 317) 367)	23 [2521002	ATACATE LE	X-Allawica	REON (NEL) (ADD)			
	ALEOTEMS.	error f	Z ZZ ME	V.1: 1118 [/1:0]			
FL S	eciazion.	220mi		1 /400)			

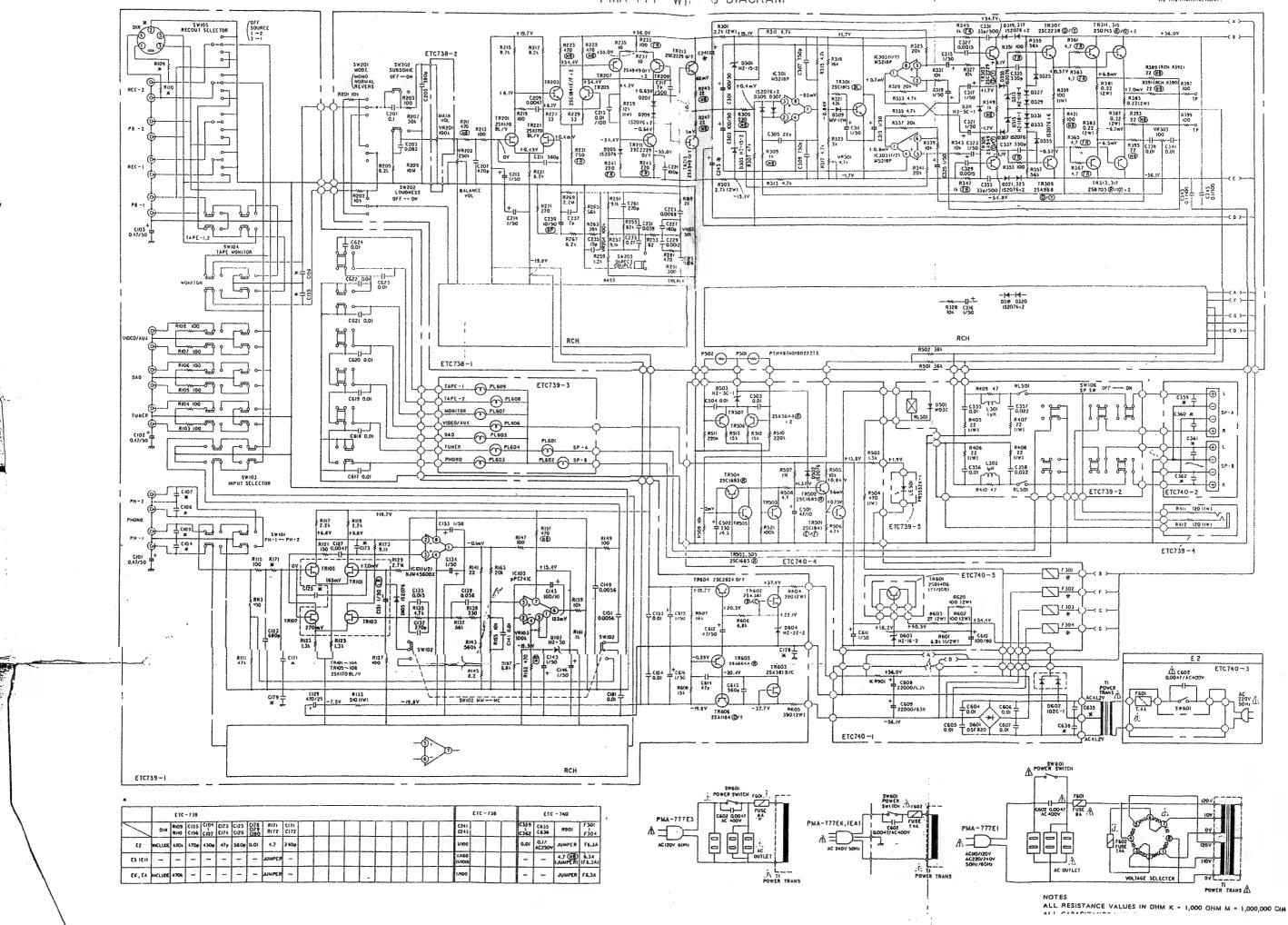
ETC0738N E3 for U.S.A., and EC for Canada (Same as ETC0738B except the followings.)

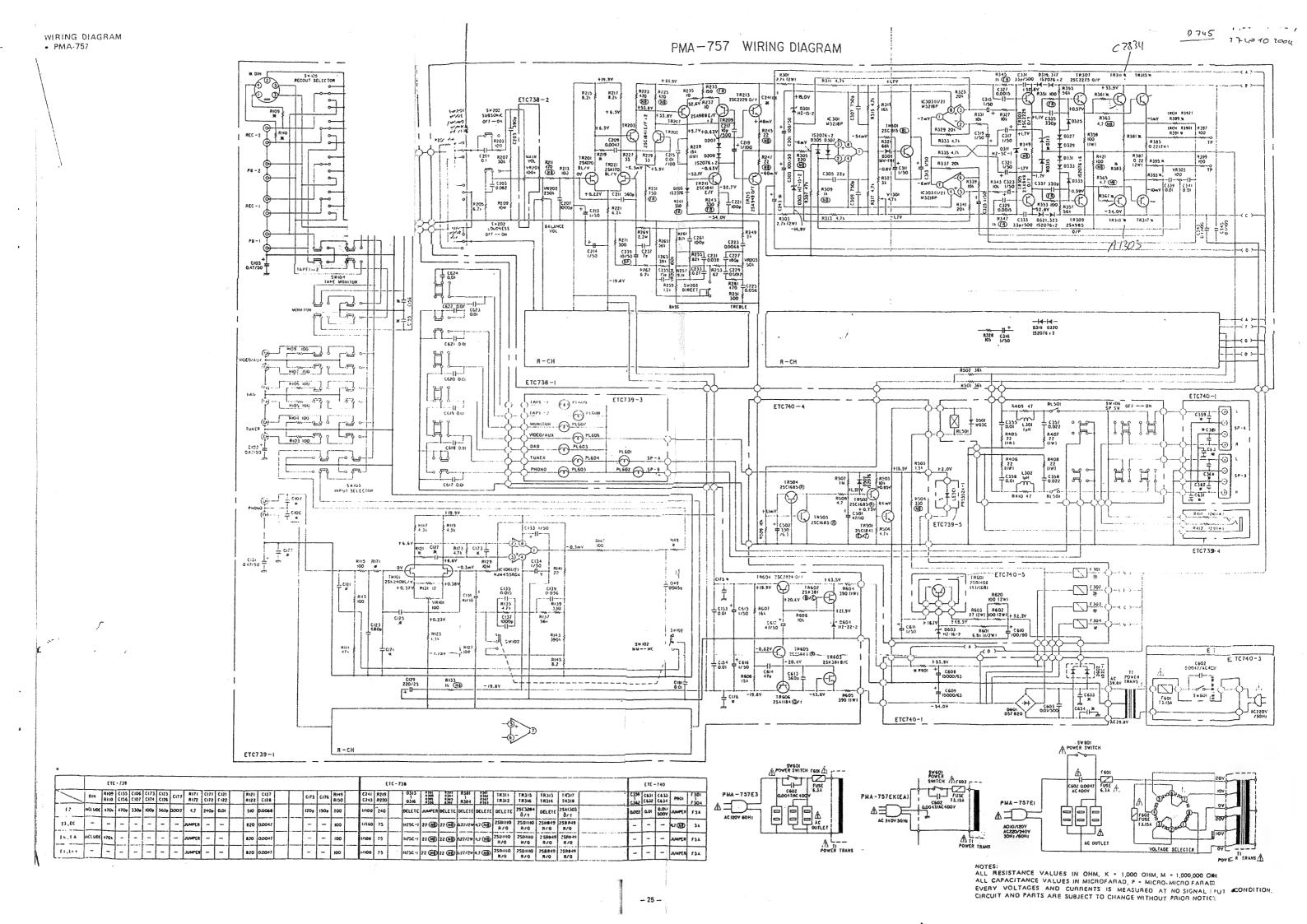
Ref. No.	Part No.	Part Name & Descriptions					
_	SEMICONDUCTORS						
D313 ~316	2760236031	HZ5C-1	ZENER	(ADD)			
		RESISTOR	s				
R219,	2412065000	75 ohm ±	5% 1/4W CA	CHANGE			
	2412321032	(A.Com)	X 1/4W/CA	REON((NE)). (ADD)			
	XXXXXXXXX	1.70	a: 24: 14				
	2CIEC-10ICi	220iii	in this let	HEOMINEI ADOI			
		CAPACITORS					
C241,	2544203002	1μF ±2	20% 160V EL	ECTROLYTIC ICHANGE			

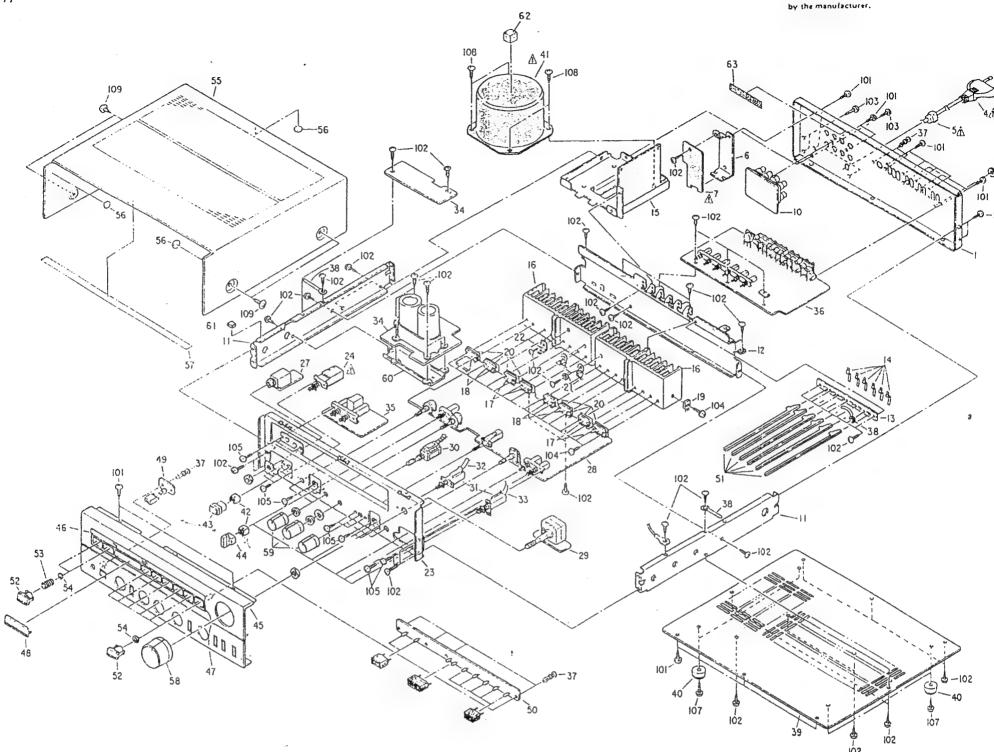
ETC0738P EA for Australia and EK for U.K. (Same as ETC0738B except the followings.)

0236031	HZ5C-1	ZENI	 ₹R	(ADD)
0236031	HZ5C-1	ZENI	ER	(ADD)
	RESISTO	RS		
2065000				ICHAIGE!
232 032	(370) iii	EX MEN	MCAR	(AD)
5022 XIS	0624	10.	en en	3-38 E
egic.	ZCiū.	(G) (G)	rexi	
	222103Z! 222103Z!	2221032 (376)mi	2221032 COCTA 152 MAY	231032 (97C) 15. MAY CAN









Note: 1. See addendum list below for the parts with asterisk (*) on the Ref. No. and the other parts not included in this list.
2. The list is prepared based on E2 Silver Version
3. 4 Marked not included EXPLODED VIEW.
4. 0 Marked same as PMA-757E2.

EXPLODED VIEW OF PARTS LIST

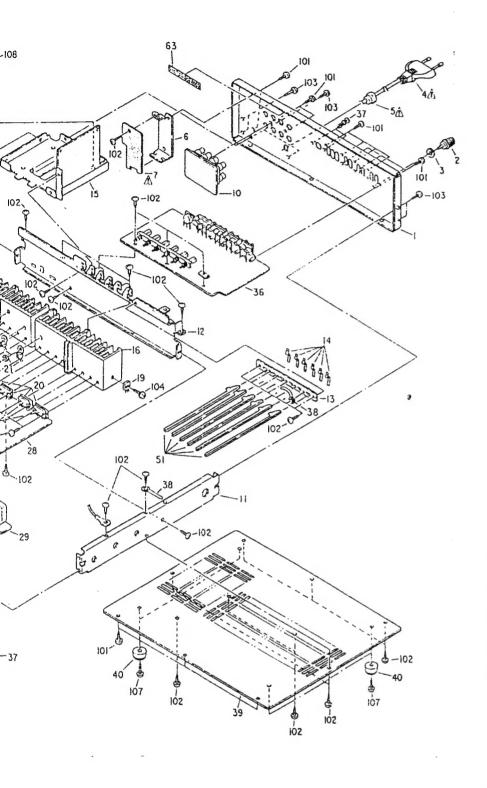
Re No		Part Na.	Part Name & Descriptions
	1	1050626307	BACK PANEL
•	2	2050071016	TERMINAL ASS'Y
٥	3	4770018001	WASHER (P-87)
A	3	7.8 . W. 8 . W. 8 C	A TO BELLEVIA TO THE REAL PROPERTY AND THE PARTY AND THE P
$\mathcal{A}_{\mathcal{A}}$	•	SURFIGURE !	CHOCKET TO SEE THE SECOND
•	6	4410455005	PWB BRACKET
		THE FULL CON	Africa State (18)
. 1	8	5130716023	FTZ LABEL
. '	9	5138253009	APPROVAL MARK
	10	ETC0740-2	SP TERMINAL UNIT
•	11	4120733606	SIDE CHASSIS
	12	4110375317	MAIN CHASSIS
	13	4410378108	SHEET
	14	4630337000	SPRING
	15	4110334206	TRANS CHASSIS ASS'Y
	16	4170153401	POWER RADIATOR
	17	2740102004	TRANSISTOR 2SD745(R/Q)
	18	2720073001	TRANSISTOR 2SB705(R/Q)
	19	2740088018	TRANSISTOR 25D1406(Y)/(GR)
:	20	4150291008	INSULATING SHEET (S-27)
	21	2760289004	POSISTOR (PTH487A018D222T5)
	22	4410411104	PCBBRACKET
	23	4110429302	FRONT CHASSIS
-	4	217/202022	TPUSH SWITCHTEOR PISWIFFEE
	6. RSR . 26	445003301430	WIRE CLAMP BAND USED 36
1 .	27	ETC0739-4	HEADPHONE JACK UNIT
	28	ETC0738-1	TONE & POWER UNIT
		1 -100(38-)	I TONE & FOWER UNIT

	el. lo.	Part No.	Part Name & Descriptions		
	• 29	ETC0738-2	MAIN VR UNIT		
0	30	2120222009	ROTARY REMOTE		
0	31	2124484005	1P-PUSH REMOTE		
٥	32	4350052005	FLEXIBLE SLIDER (MM-MC)		
	33	4350052021	FLEXIBLE SLIDER (PHONO 1-2)		
	*34	ETC0740	P.S & PROT, UNIT		
	*35	ETC0739-2	SPEAKER SW UNIT		
	*36	ETC0739-1	INPUT & EQ. UNIT		
۰	37	4770096007	PUSH RIVET		
٥	38	EP-6214	CORD HOLDER		
0	39	1050450609	BOTTOM COVER		
٥	40	1049110001	FOOT		
44	419	123354880075	POWERLINANSANDE		
	42	1140056007	FLEXIBLE RING		
٥	•43	1130515134	PUSH KNOB (A)		
o	•44	1130450118	PUSH KNOB (B) ASS'Y		
	*45	1441257000	FRONT PANEL ASS'Y		
٥	46	1430297013	WINDOW		
a	47	1460556106	WINDOW PANEL		
	*48	1441256001	ESC. PLATE		
o	*49	ETC0739-5	LED UNIT		
49	*50	ETC0739-3	LAMP UNIT		
*6	51	4121069007	CONNECTING BHACKET		
4.0	*52	1130415218	PUSH-KNOB (C)		
4	53	4630274011	SPRING		
a	54	1220039012	SPACER		
0	*55	1020183100	TOP COVER		

781. No.	Part No.	Part Name & Descriptions
o 56	1040034006	STOPPER
o 57	1220069008	SPACER
o+58	1120415011	KNOB (A)
• '59	1120416010	KNOB (B)
o· 60	4120952102	CONDENSER BRACKET
• 61	4610223024	RUBBER SHEET
62	4610223011	RUBBER SHEET
o 63	1220069066	SPACER
64		
65		
66		
67		
68		
69		
70		
PACKIN	G & ACCESSOR	IES (not included EXPLÓDED VIEW
o a.	5040084007	SET COVER
o *b.	5030456001	CUSHION
о с.	5111253107	INST. MANUAL
o d.	5139111001	COLOR LABEL (GOLD)
αη,	5130295009	CONTROL CARD
11.	5010916037	CAHTON CASE
i	1	I

Ref. No.	Part No.	Part Name & Descriptions	01,			
SCREWS & NUT						
0 *101	4730354035	TAPPING SCREW (2) 3×8	22			
		(BLACK) TAPPING SCREW (2) 3×8	33			
• 102	4730354019	FIXING SCREW	55			
• 103 104	4770064107	PAN SCREW WITH W. SPW 3x 10	17			
• 105	4711303018	PAN SCREW Jx6	13			
0 103	1	TAPPING SCREW (2) 3x14	4			
	4730804035		1			
• 108	4700031016	TAPPING SCREW WITH TWB	•			
-* 100	4734801005	1×10 TAPPING SCREW (TRUS) 4×8	4			
° 109	4734801005	IAPPING SCHEN (INUS) 4XB	'			
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Means important safety item, which must be replaced, when necessary, by a part specified or meeting the specification by the manufacturer.



Part Name & Descriptions
OPPER
ACER
OB (A)
106 (8)
NDENSER BRACKET
BBER SHEET
BBER SHEET
ACER
Inol included EXPLÓDED VIEWI
ET COVER

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	• 108	41
	a* 109	4
	110	
	111	İ
	112	1
not included EXPLÓDED VIEWI		
TCOVER		
SHION		
ST. MANUAL		1
LOR LABEL (GOLD)		İ
NTHOL CAHD		
HTON CASE		
	9	

Ref.	Part No.	Part Name & Descriptions	ari			
SCREWS & NUT						
. 101	4730354035	TAPPING SCREW (2) 3×8	22			
		(BLACK)				
. 102	4730354019	TAPPING SCREW (2) 3×8	33			
• 103	4770064107	FIXING SCREW	6			
104	4700011023	PAN SCREW WITH W. SPW 3x 10	17			
• 105	4711303018	PAN SCREW 3x6	13			
0 107	4730804035	TAPPING SCREW (2) 3×14	4			
• 108	4700031016	TAPPING SCREW WITH TWB	4			
		4×10				
o' 109	4734801005	TAPPING SCREW (TRUS) 4x8	4			
110		1				
111		1				
112						
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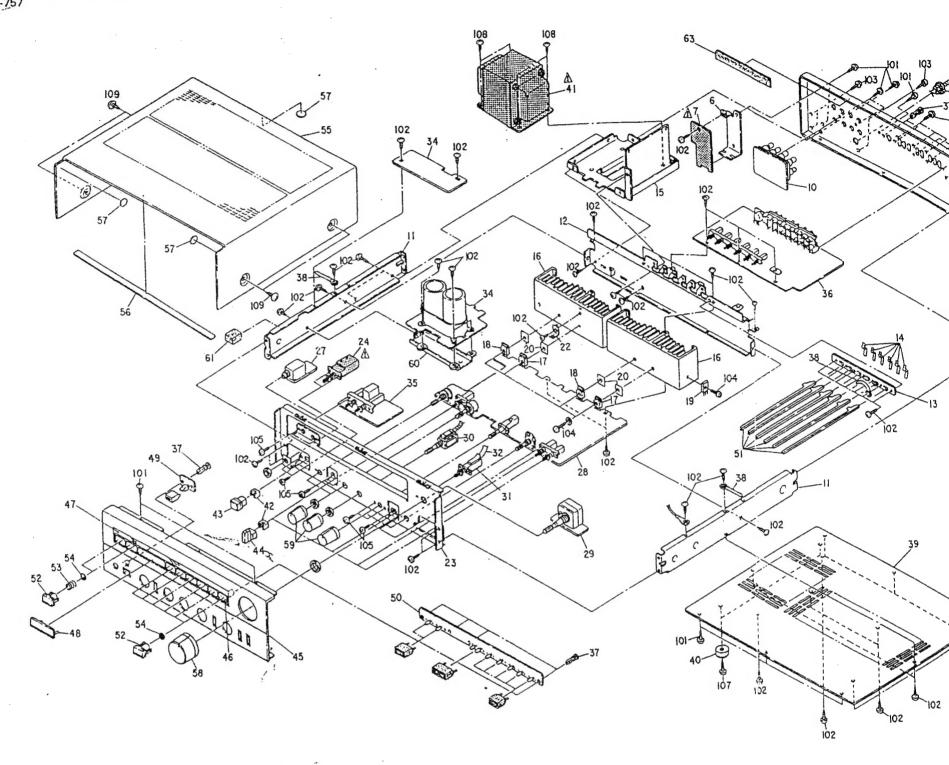
ADDENDUM LIST

Ref.				Pert		FA for Australia	EV 4-11-V
No.	Part Name & Ovscriptions	E1 for			U.S.A.	477.707.744	EK for U.K.
		Gold Version	Black Version	Gold Version	Black Version	Gold Version	Black Version
1	BACK PANEL	1059005000	1059005000	1059002003	1059002003	1050626307	1050626037
		Additional and	Margare	Shararata.	100000000000000000000000000000000000000		
						SOUTH RESPONSIBLE	11.00
7	AC FUSE UNIT	-	-	ETC0740-E3	ETC0740-E3	ETC0740-F3	ET00740-F3
*8	FTZ LABEL APPROVAL MARK	_	_		_	_	_
10	SP TERMINAL UNIT	ETC0740-D2	ETC0740-D2	ETC0740-E2	ETC0740-E2	ETC0740-F2	ET00740-F2
173	THE REPORT OF THE PROPERTY OF THE PERSON OF	Michigan Street	State State	Louis Cortes	cersis 2000		110000
	THE RESPONDED FOR THE PARTY OF		A. A. C. C. C. C. C. C. C. C. C. C. C. C. C.	ETC0739-E4	ETC0739-64	ETC0739-F4	ETC0739-F4
27	HEADPHONE JACK UNIT	ETC0739-04 ETC0738-0	ETC0739-04 ETC0738-D	ETC0738-E	ETC0738-E	ETC0738-F	ETC0738-F
29	MAIN RV MIAM	ETC0738-D2	ETC0738-D2	ETC0738-E2	ETC0738-E2	ETC0738-F2	ETC0735-F2
34	P.S & PROT. UNIT	ETC0740-D	ETC0740-D	ETC0740-E	ETC0740-E	ETC0740-F1	ETC0740-F1
35	SPEAKER SW UNIT	ETC0739-D2	ETC0739-D2	. ETC0739-E2	ETC0739-E2	ETC0739-F2	ETC0739-F2 .
36	INPUT & EQ. UNIT	ETC0739-01	ETC0739-D1	ETC0739-E1	ETC0739-E1	ETC0739-F1 4770096007	ETC0739-F1 4770096037
11	POWERE IN SECTION SECTION	E-25-19-51 1-00-74	22300 0002	2233961200618	2233061200626	23354380074638	E2135456507240
43	PUSH KNOB (A)	1130515134	1130515121	1130515134	1130515121	1130515134	1130515121
44	PUSH KNOB (H) ASSTY	1130450118	1130636000	1130450118	1130636000	1130450118	1130636000
45 48	FRONT PANEL ASS'Y	1441257000	1441257026	1441257000	1441257026	1441257000	1441257026
49	ESC. PLATE	ETC0739-05	ETC0739-05	ETC0739-E5	ETC0739-E5	ETC0739-F5	ETC0739-F5
50	LAMP UNIT	ETC0739-03	ETC0739-03	ETC0739-E3	ETC0739-63	ETC0739-F3	ETC0739-F3 -
52	PUSH KNOB (C)	1130415218	1130415721	1130415218	1130416221	1130415218	1130415221
55	TOP COVER	1020183100	1020183016	1029001005	1120415024	1102415011	1020183016
58 59	KNOB (A)	1120416010	1120416023	1120416010	1120416023	1120416010	1120416023
1 64	CAPACITOR 0.01#F/50V		-	_	-		
,							
•		433036 4036 (33)	4220264026422	4730354035(24)	4730354035(24)	4730354035(22)	4730354035(22)
101	TAPPING SCREW (7) J×8 TAPPING SCREW (TRUS) 4×8	4730354035(22)	4730354035(22)	4734801005(4)	4734454038(4)	4734801005(4)	4734454038(4)
103	TAPPING SCILLI (11103) 440	4754007505141			.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
150	PAN SCREW WITH S.W 3×8	4700042005(4)	4700042005(4)	-	-	-	-
	BLACK						:
151 152	NUT M3 WASHER 05 BLACK	4756006008(2)	4756006008(2)	4751006016181	4751006016(8)	_	
153	TAPPING SCREW (TRUS) 4×20		_	4734460035(8)	4734460035(8)	_	_ :
	BLACK						1.
154	TOOTH WASHER #3	-	-	-	-	4753001051(8)	4753001051(8)
155	3T LUG	-	-	-	-	2050003107(1)	2050003107(1)
156	TOOTH WASHER 64	_	-	-	_	4753100004(8)	4753100004(81)
							1
12:00	Marketine Marketine Control	Construction of	residence.	2003909008	No. of London		
	1	50,000,000	A. (1011-10)				
1		Carlo Car	3.710.00				
•205	FUSE LABEL	5130654062	5130654062	-	-	_	
+206	FUSE LABEL	5130654075	5130654075	-	-	_	
320	(ADDYCE SERVAL BACKS	[2][20][8008][[3][6	2120180009		SCHOOL STREET	Company of the Park	THE PERSON NAMED IN
*208 *209	FUSE LABEL	_		5139115007	5139115007 5130607019	_	_
210	AUBBER SHEET	-	_	4610066139	4610066139	_	-
-211	DANGEROUS MARK	-	-	5138266009	5138266009	-	-
212	SERIAL NO. PLATE	-	-	5130885022	5130885022	-	-
213	RIVET	-	-	4770126016	4770126016	-	
214	WOOD BOARD (R)	_	_	1011469008	1011469008	_	
216	FELT SHEET	_	_	1240032015	1240032015	_	-
-217	INDICATION SHEET	-	-	5130784000	5130784000	-	-
*218	NOTICE SHEET	-	-	-	-	5130209006	-
*219 220	NOTICE SHEET	-	_	_	_	5130210008	5130352008
220	VOLTAGE LABEL	-	_		_	5130348006	5130343006
222	EARTH LABEL	_	_	_	_	5130140000	5130140000
223	CAUTION SHEET	-	-	-	-		5130384006
224							
225		1				,	
						,	ł
	SET COVER	5040084007	5040084007	5058092049	5058092049	5040084007	5040084007
a	=	5030456001	5030456001	5039107005	5039107005	5030456001	5030455001
b	CUSHION		-	5139111001	-	5139111001	-
	COLOR LABEL (COLO)	5139111001	,	_	-		
b d	COLOR LABEL (GOLO)	-		5010101000	E010104031	5010015066	50109:4037
. d	COLOR LABEL (COLO)	5010916037	50109160	5019104002	5019104031	5010916066	5010916037
. d	COLOR LABEL (GOLO)	-		5019104002	5019104031	5010916066	5010915037
. d	COLOR LABEL (GOLO)	-		5019104002	5019104031	5010916066	50109:5037
d e f	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE	-	50109160	51580531,\	5139111014 5158053108	5010916066 	
b d t	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET	5010916037	5139111014 5158053108	51580531. \ 5040077056	5139111014 5158053108 5040077056	5010915066 -	
b d t	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION	5158053108	50109160 5139111014 5158053108	51580531\ 5040077056 5111041005	5139111014 5158053108	5010915066	
b d t	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET	5010916037	5139111014 5158053108	51580531. \ 5040077056	5139111014 5158053108 5040077056	5010916066	
d e f	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION PAD TO THE PROTECTION PAD TO THE	5158053108	50109160 5139111014 5158053108	51580531\ 5040077056 5111041005	5139111014 5158053108 5040077056 5111041005		
9 h	COLOR LABEL (GOLO) CONTROL CARC CARTON CASE COLOR LABEL (BLACK) WARRANTY IN ENVELOPE PROTECTOR SHEET SAFETY INSTRUCTION PAU CAUTION PAPER	5158053108	50109160 5139111014 5158053108	51580531 ³ 5040077056 5111041005	5139111014 5158053108 5040077056 5111041005		5129111014

BLACK VERSION PARTS LIST
(Same as SILVER VERSION except the followings.)

ef. lo.	Part No.	Part Name & Descriptions		
43	1130515121	PUSH KNOB (A)		
44	1130636000	PUSH KNOB (B)		
45	1441257025	FRONT PANEL ASS'Y		
48	1441256027	ESC. PLATE		
52	1130415271	PUSH KNOB (C)		
55	1020183115	TOP COVER		
58	1120415024	KNOB (A)		
59	1120416023	KNOB (B)		
100	4734454038	TAPPING SCREW 121 4×8		
ď.	5139111014	COLOR LABEL (BLACK)		

EXPLODED VIEW OF CHASSIS AND CABINET • PMA-757



- Note: 1. See addendum list below for the parts with asterisk (*) on the Ref. No. and the other parts not included in this list.
 2. The list is prepared based on E2 Silver Version.
 3. a Marked not included EXPLODED VIEW.
 4. o Marked same as PMA-777E2.

EXPLODED VIEW OF PARTS LIST

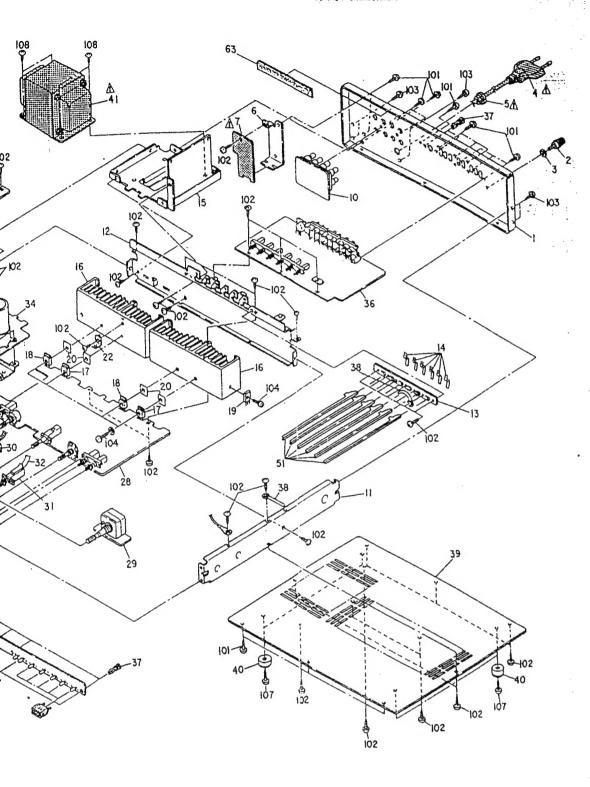
Ref. No.		Part No.	. Part Name & Descriptions		
	*1	1050626310	BACK PANEL		
٠	2	2050071016	TERMINAL ASS'Y		
۰	3	4770018001	WASHER (P-87)		
7		CONTROL OF	(Galita Wardt)		
,	6	4410455005	PWB BRACKET		
1	1.	ABITOTIC PIC.	ACCUPATION OF THE PARTY OF THE		
0	* 8	5130716023	FTZ LABEL		
٠	* 9	5138253009	APPROVAL MARK		
	110	ETC0740-82	SP TERMINAL UNIT		
•	11	4120733606	SIDE CHASSIS		
6	12	4110375317	MAIN CHASSIS		
0	13	4410378108	SHEET		
٠	14	4630337000	SPRING		
•	15	4110334206	TRANS CHASSIS ASS'Y		
	16	4170156301	POWER RADIATOR		
	*17	2730305002	TRANSISTOR 25C3284(0)/(Y)		
	*18	2710184007	TRANSISTOR 25A1303(0)/(Y)		
	19	2740088018	TRANSISTOR 2501406(Y)/IGR)		
	20	4150234007	INSULATING SHEET		
	21	_	-		
•	22	4410411104	PCB BRACKET		
•	23	4110429302	FRONT CHASSIS		
	330	272 263 027	Eigt Switcherfold Switch		
3	275	18 SECTION 18	(APACIDIORIC70001 400VAG)		
•	± 26	4450033005	WIRE CLAMP BAND USED 36		
	.27	ETC0739-B4	HEADPHONE JACK UNIT		

	lef. lo.	Part No.	Part Name & Descriptions
	• 28	ETC0738-81	TONE & POWER UNIT
	*29	ETC0738-82	MAIN VR UNIT
0	30	2120222009	ROTARY REMOTE
٥	31	2124484005	1P-PUSH REMOTE
•	32	4350052005	FLEXIBLE SLIDER (MM, MC)
	33	_	-
	*34	ETC0740B	P.S & PROT. UNIT
	*35	ETC0739-82	SPEAKER SW UNIT
	*36	ETC0739-81	INPUT & EQ. UNIT
٥	37	4770096007	PUSH RIVET
٠	38	EP-6214	CORD HOLDER USED 6
0	39	1050450609	BOTTOM COVER
0	40	1040110001	FOOT
V	115	223548700B	POWER DEANS
	42	1140056007	FLEXIBLE RING
	.43	1130515134	PUSH KNOB (A)
۰	.44	1130450118	PUSH KNOB (B) ASS'Y
	-45	1441257013	FRONT PANEL ASSY
	46	1430297013	MINDOM
0	47	1460556106	WINDOW PANEL
	.48	1441256014	ESC. PLATE
	*49	ETC0739-85	LED UNIT
۰	*50	ETC0739-83	LAMP UNIT
۰	51	4121069007	CONNECTING BRACKET
	.52	1130415218	PUSH KNOB (C)
١.	53	4630274011	SPRING
١.	54	1220039012	SPACER

No.	Part No.	Part Name & Descriptions
• •55	1020183100	TOP COVER
• 56	1220069008	SPACER
• 57	1040034006	STOPPER
• •58	1120415011	KNOS (A)
• •59	1120416010	KNOB (B)
• 60	4120952102	CONDENSER BRACKET
. 61	4610223024	RUBBER SHEET
62	-	_
• 63	1220069066	SPACER
64		
65		
66	i	
67		
68		
69		
70		
PACKIN	G & ACCESSOR	ILES (not included EXPLODED VIEW
	5040084007	SET COVER
• b.	5030456001	CUSHION
• C.	5111253107	INST, MANUAL
• d.	5139111001	COLOR LABEL (GOLD)
• •.	5138295009	CONTROL CARD
f.	5010916040	CARTON CASE

SCREWS & NUT									
• 101 4730354	O35 TAPPING SCREW (2) 3×8	22							
• 102 4730354		33							
• 103 4770064		6							
104 4700012		5							
• 105 4711303		12							
106 -	_								
. 107 4730804	1035 TAPPING SCREW (2) J×14	4							
a 108 4700031		4							
100	4×10								
0 109 4734801	1005 TAPPING SCREW (TRUS) 4×8	4							
110									
111									
112									
1									
	ŀ	Ì							
1		1							
	!								
1		1							
1	}								
-									

Means important safety item, which must be replaced, when necessary, by a part specified or meeting the specification by the manufacturer.



	·
Part No.	Part Name & Descriptions
020183100 020069008 040034006 020415011 020416010 020952102 510223024 — 020069066	TOP COVER SPACER STOPPER KNOB (A) KNOB (B) CONDENSER BRACKET RUBBER SHEET SPACER
k ACCESSOR	IES (not included EXPLODED VIEW
040084007 030456001 111253107 139111001 138295009 010916040	SET COVER CUSHION INST. MANUAL COLOR LABEL (GOLD) CONTROL CARD CARTON CASE

Ret. No.	Part No."	Part Name & Descriptions					
		SCREWS & NUT					
• *101	4730354035	TAPPING SCREW (2) 3×8	22				
• 102	4730354019	TAPPING SCREW (2) 3×8	33				
• 103	4770064107	FIXING SCREW	6				
104	4700012022	PAN SCREW WITH W. SPW 3x12	5				
• 105	4711303018	PAN SCREW 3x6	12				
106	-	-	i				
• 107	4730804035	TAPPING SCREW (2) J×14	4				
• 108	4700031016	TAPPING SCREW WITH TWB	4				
100		4×10	Į .				
• 109	4734801005	TAPPING SCREW (TRUS) 4×8	4				
110			ĺ				
111							
112							
	}						
	1						
	i						
	1						
			1				

ADDENDUM LIST

AUU	ENDOM CIST										
				£3 1er	Part Na.	EC for Conada	C for Conneds EA for Australia				
Not.	Part Name & Descriptions	Et for Asia Gate Version Stock Version		Gold Version	Block Version	Black Version	Gold Version				
		1069004001	1069004001	1069001004	1069001004	1069016002	1060626310				
1	BACK PANEL	200003103		A42.7 (QA)			* * * * * * * * * * * * * * * * * * * *				
	*********			4410455005	4410456006	4410455005	4410455006 - 1				
. 4	PWB BRACKET			Cataly Trees		11-01/A	10100000				
+6	FTZ LASEL	-	-	_	_	_	_				
10	SP TERMINAL UNIT	ETC0740-M2	ETC0740-M2	ETC0740-N2	ETC0740-N2	ETC0740-N2	2740103003				
17	TRANSISTOR	2740103003	2740103003	2740103003	2740103003 DSD1110(R)/(011	2740103003 (ZSD1110(R)/iOI)	2501110(R)/(O)				
		2720074000	(25D1110(R)/(O)) 2720074000	(2501110(A)/(O)) 2720074000	2720074000	2720074000	2720074000				
18	TRANSISTOR	(768849(M1/10))	1258849(R1/(OI)	(258849(R)/(O))	(258849(R)/(O)) 4150234007	(258849(RI/(OI) 4150234007	(258849(R)/(O)) 4150234007				
20	INSULATIN SHEET	4150234007	4180234007	4150234007	2150234007		*****				
	of the resident transfer of			el eje ejt	ET C0739-N4	ETC0739-N4	ETC0739-P4				
27	HEADPHONE JACK UNIT	ET C0739-M4	ETC0739-M4	ETC0738-NA	ETC0738-N	ETC0738-N	ETC0738-P				
28	TONE & POWER UNIT	ET C0738-M2	ETC0738-MZ	ETC0738-N2	ETC0736-N2 ETC0740-N	ETC0738-NZ ETC0740-N	ETC0738-P2 ETC0740-P				
34	P.S. & PROT. UNIT	ETC0740-M ETC0739-MZ	ETC0740-M ETCC739-M2	ETC0739-N2	ETC0739-412	ETC0739-N2	ETC0739-P2				
36	INPUT & EQ. UNIT	ETC0739-M1	ETC0739-M1	ETCD739-N1	ETC0739-N1	ETC0739-N1	ETC0739-F1 4770096007				
37	PUSH RIVET	047734074000	THE RESERVE OF THE PARTY OF THE	A CONTRACTOR OF THE PERSON NAMED IN COLUMN							
43	PUSH KNOB (A)	1130615134	1130615121	1130615134	1130616121	1130515121	1130450118				
44		1130450118	1130638000	1130450118	1441257039	1441257039	1441257013				
46	ESC. PLATE	1441256014	1441256030	1441256014 ETC0739-N5	1441256030 ETC0739-N5	1441256030 - ET 03739-N6	1441256014 ETC0739-PS				
49		ETC0739-M5	ETC0739-MG	ETC0739-N3	ETC0739-N3	ETC0739-N3	ETC0739-₽3				
57	PUSH KNOT (C)	1130415718	1130416721	1130415218	1130415221	1130415221	1130415218				
88	TOP COVER : with Wood Board without Wood Board	1029001006	1020183016	1020183100	1.						
84		1120415011	1120415024	1120415011	1120415024	1120415024	1120415011				
51	KNOS (8)	1120416010	1120416023	1120415010	1120416023	1120410023	.,				
64	CAPACITOR (1200oF/500V)	_	_								
	,		4730354035(21)	4730254035(24)	4730354035(24)	4730354035(24)	4730354035(22				
101		4734801005(4)	4734454038(4)	4734801005(4)	4734454038(4)	4734454038(4)	4734801005(4)				
1							1				
1	PAN SCREW WITH S.W Jx8	4700042006(2)	4700042005(2)				į				
154	BLACK						1				
15	EM TUN	4756005008(7) 4751006016(8)	4756006008(2)								
15	WASHER +5 BLACK	~ ~									
15		4734460035(8)	-								
15	4x20 BLACK TOOTH WASHER +3	_	-	-	-	-	205000310703				
15	5 JT LUG	-	-	-			4753100004181				
15	TOOTH WASHER	-	_								
		MA SECTION OF THE SEC		The state of the s	B MANUFACTURE	200.00 Z.A.O.B.					
						1.0					
	The second second	10101				1.00					
*20		5130664059	6130654069	_	-	_	. =				
•20	FUSE LABEL (TE.JA)	5130664091	5130654091		A THE OWNER WHEN	-					
◆ 2C			-	5139115010	5139115010 5130607022	5139115010 5130607022	_				
+20	FUSE LABEL	4610066139	_	5120607072	-	-	-				
21	TESHE REBUR D			5138266009	5138266009	_	_				
+21		_	-	5130885019	5130885019	-	-				
21		_	-	4770126016	4770126018	_	_				
2		1011469006	_	_							
2	MOOD BOARD (L) With	1011470000	-	-	-	_	_				
	Board	1240032015	_	_	-	-					
2	16 FELT SHEET	-					_				
+2	17 INDICATION SHEET	5130784000	-	-	_						
•2	18 HOTICE SHEET		· i -	_	-	_	5130209006 5130210006				
*2	IS NOTICE SHEET	-	_	_	_	_	5130362006				
	20 VOLTAGE LABEL 21 BLIND SHEET	_	_	-	-	-	5130348006				
	22 EARTH LABEL	-	-			=					
	23 CAUTION SHEET	_	1 -		-	5139101008	-				
	25 CSA LABEL	-	-	-	-	5138311006	1 -				
							5040084007				
	SET COVER with Wood Box	6 5058092049	5040084007	5040084007	5040084007	5040084007	2010001007				
1	b CUSHION with Wood Boar		5030456001	5030456001	50304 56001	5030456001	5030456001				
	without Wood Boar	d 5030456001		5139111001	_	-	5139111001				
	d COLOR LABEL (GOLD)	5139111001	_	21.34111001	_	-	,				
	CARTON CASE WHI. Wood Bo		50191040	5019104044	5019104028	5017915040	L				
	without Wood Bo						1				
					6,3011.01	5139111014	_				
	COLOR LABEL (BLACK)		5139111014	5153053106	5139111014		11				
1	HOTECTOR SHEET	5040077956	-	-	-	-	! -				
		-	_	5111041005	5111041005	-	-				
	A PAD	_	-	-	-	-	5020556018				
	CAUTION PAPER	-	-	_	_	_					
	m IMPORTANT LABEL	5150290008	_	-	-	-					
.	WARRANTY IN ENVELOPE	-	_	-	_	_					
L	with Wood Bard										

EP1: with Wood Board, E1: without Wood Board

BLACK VERSION PARTS LIST (Same as SILVER VERSION except the followings.)

Ref. Vo.	Part No.	Part Name & Descriptions
43	1130515121	PUSH KNOB (A)
44	1130636000	PUSH KNOB (B)
45	1441257039	FRONT PANEL ASS'Y
48	1441266030	ESC. PLATE
52	1130415221	PUSH KONB (C)
55	1020183113	TOP COVER
58	1120415024	KNOB (A)
59	1120416023	KNOB (B)
109	4734454038	TAPPING SCREW (2) 4×8
d.	5139111014	COLOR LABEL (BLACK)

		N W W	1																	
su			BOOKINB	chm BASS chm IDLE chm	Type}	щ	710 FICE	30	IC F1LM	AMIC TROLYTIC	IC FILM		N E	U	TROLYTIC (TROLYTIC	ROLYTIC	ROLYTIC	IC F1LM	AMIC
& Descriptions	IIAV CARESTII IIIV EABESTII IIIV KARVES	T/AN CARBONI FER TW METALIOXID (NB) (NB) (1/4W CARBONINB	RESISTOR 250k ohm	TRE81 100k R 4.7k R 100 DISTC	5%, ±10%, 50V	PLAS	50V PLASTI 50V PLASTI	ELEC	100V PLASTIC	500V CER OV ELEC	50V PLAST	PLAST	50V PLAST	PLAST	50V ELECTE	n.	SOV ELECT	50V ELECT	50V PLASTIC	500V CERAN
Part Name	Heightin 20. Heightin 15.5 Weightin 25.7	国际企业的任务	A THE TOTAL OF THE	ARIABLE R EMI-IFXED	ncluded Ceramic ±5	+1	0.082µF ±5% 0.0047uF +5%	i	0.01µF ±5%	7pF ±0.25pF 1µF =20% 10	0.0068µF ±5%	uL H	0.0012µF ±5%	% 20 41	10µF ±20%	1μF ±20%	100µF :20%	1µF ±20%	0.0015µF±5%	33pF ±5%
Part No.	\$3001/55.77 \$001/55.77 \$005/55.77	2800 2800 2800 2800 2800 2800 2800 2800	0.5000	2110309110 2116025087 2116025016	ACITORS (not i	2554193005	2554191007	4146	2554079048	2534266004	554165	2554187008	55414700	2554163002	2543016067	2544181001	2544089022	2544146004	2554149004	2534482008
			VR201	VR203 VR301, VR303, VR303,	CAP	C201,	203,	210,	. 214 C215, 216	2118	220	224 225 226	1223 1230 1230	23.23	22 39 24 99 24 99	1.72	, 6, 8 3, 8		337	E 25

Part Name & Descriptions	0.01µF ±5% 50V PLASTIC FILM 0.1µF ±5% 100V PLASTIC FILM	SWITCHES	ROTARY SWITCH MODE 2P PUSH SWITCH LOUD, SUB. 1P PUSH SWITCH DIRECT	OTHER PARTS	P.W. BOARD TERMINAL PIN USED 40 JUMPER WIRE P=10mm USED 60 4P CONNECTOR CORD 1P CONNECTOR 3P WIRE HOLDER USED 6 4P WIRE HOLDER 5P WIRE HOLDER 3x6 CPS USED 2 3n USED 2	
Part No.	2554169000		2:2022:000 2:245:1004 2:12446:2001		2221090101 EP-5667H1 2090008120 2036105032 2030230039 2050185038 2050185054 4711303018 4756006008	
Ref.	C339 -342 C343 -346		SW201 SW202 SW203			